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1955-1956

HAMILTON COLLEGE CATALOGUE

HAMILTON COLLEGE CATALOGUE

Prog.am for 1955-56

Records for 1954-55

Clinton, New York

October, 1955

Table of Contents

COLLEGE CALENDAR 4

COLLEGE PERSONNEL 5

1. GENERAL INFORMATION 15
   The Hamilton Idea, 17; The College and Its Resources, 19; Undergraduate Life, 25

2. ENROLLMENT 33
   Admission, 35; Expenses, 38; Financial Aid, 41

3. ACADEMIC PROGRAM 47
   Planning for a Career, 49; Academic Requirements, 53; Courses of Instruction, 61

4. HONORS AND AWARDS 99
   Honors, 101; Fellowships, 102; Prize Scholarships, 103; Prizes, 105

APPENDIX: COLLEGE RECORDS, 1953-54 111
   Finances, 113; Degrees, Honors, and Awards, 115; Public Occasions, 122; Society of Alumni, 125

INDEX 128

MAP OF ROUTES TO HAMILTON COLLEGE 132

College Calendar

1955-56

SEPT.	10-14	Sat.-Wed.	Freshman induction.
	12-14	Mon.-Wed.	Registration for upper classes.
	15	Thurs.	Beginning of academic year, 8:00 a.m.
OCT.	13	Thurs.	Quarter-term warnings for freshmen due.
	22	Sat.	Fall house parties.
NOV.	5	Sat.	Mid-semester warnings due.
	12	Sat.	Union game.
	23	Wed.	Thanksgiving recess begins at 12:30 p.m.
	28	Mon.	Thanksgiving recess ends at 8:30 a.m.
DEC.	17	Sat.	Christmas recess begins at 12:30 p.m.
JAN.	3	Tues.	Christmas recess ends at 8:30 a.m.
	16-25	Mon.-Wed.	Final examinations.
	30	Mon.	Beginning of second semester.
FEB.	4	Sat.	Fraternity initiations.
	25	Sat.	Winter Carnival.
MARCH	21	Wed.	Mid-semester warnings due.
	24	Sat.	Spring recess begins at 12:30 p.m.
APRIL	3	Tues.	Spring recess ends at 8:30 a.m.
MAY	5	Sat.	Spring house parties.
	10	Thurs.	Submission of course elections for 1956-57.
	16	Wed.	Class and Charter Day.
	21-30	Mon.-Wed.	Final examinations.
JUNE	3	Sun.	Commencement.

1956-57

SEPT.	15-19	Sat.-Wed.	Freshman induction.
	17-19	Mon.-Wed.	Registration for upper classes.
	20	Thurs.	Beginning of academic year, 8:00 a.m.
OCT.	18	Thurs.	Quarter-term warnings for freshmen due.
NOV.	3	Sat.	Fall house parties.
	10	Sat.	Mid-semester warnings due.
	17	Sat.	Union game.
	21	Wed.	Thanksgiving recess begins at 12:30 p.m.
	26	Mon.	Thanksgiving recess ends at 8:30 a.m.
DEC.	19	Wed.	Christmas recess begins at 4:30 p.m.
JAN.	3	Thurs.	Christmas recess ends at 8:30 a.m.
	21-30	Mon.-Wed.	Final examinations.
FEB.	4	Mon.	Beginning of second semester, 8:30 a.m.
	9	Sat.	Fraternity initiations.
	23	Sat.	Winter carnival.
MARCH	27	Wed.	Mid-semester warnings due.
	30	Sat.	Spring recess begins at 12:30 p.m.
APRIL	9	Tues.	Spring recess ends at 8:30 a.m.
MAY	11	Sat.	Spring house parties.
	16	Thurs.	Submission of course elections for 1957-58.
	22	Wed.	Class and Charter Day.
	27 to		
JUNE	5	Mon.-Wed.	Final examinations.
	9	Sun.	Commencement.

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HOWARD M. BINGHAM, B.S., Detroit, Michigan	1952	1958
CLINTON C. BENNETT, A.B., Glencoe, Illinois	1953	1959
CHARLES D. WHEELOCK, LL.B., Summit, New Jersey, *Clerk*	1953	1959
DONALD D. BRADLEY, B.S., Williamsville	1954	1960
LLOYD G. LEWIS, M.D., Washington, D. C.	1954	1960
W. FENN HOYT, M.D., Springfield, Massachusetts	1955	1961
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* Arranged in order of appointment to rank.
** Absent on leave, first semester 1955-56.

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Ph.B., Hamilton College

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B.S., Washington College; M.S., Georgia School of Technology; Ph.D., University of Texas

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A.B., Colgate University

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B.S., College of the City of New York; A.M., New York University

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* Absent on leave, 1955-56.

KAI EDWARD NIELSEN ..... Instructor in Philosophy
A.B., University of North Carolina; Ph.D., Duke University

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* First Semester, 1955-56.

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RICHARD D. EVANS, M.D. ..... College Physician

MISS MARILYN BRIGGS ..... College Nurse

MRS. KATHRYN SEYBA ..... College Nurse

I

GENERAL INFORMATION

The Hamilton Idea

The College and Its Resources

Undergraduate Life

It is my earnest wish that the institution may grow and flourish, that its advantages may be extensive and lasting, and that, under the smiles of the God of wisdom and goodness, it may prove an eminent means of diffusing useful knowledge, enlarging the bounds of human happiness, and aiding the reign of virtue and the kingdom of the blessed Redeemer.

—Samuel Kirkland, Founder

The Hamilton Idea

HAMILTON is a small college. Its trustees have placed limits on its enrollment, so that now it serves about 600 students. Since 1812 it has graduated fewer men than can be found today crowding the campus of a large university. By remaining small, the College has been able to stress the quality of its education, a tradition for intellectual distinction, and its concern with the individual student.

Hamilton College is one of the half-dozen oldest small liberal arts colleges in the United States; instruction has been continuous since 1793. In that year, with the help of other pioneering New Englanders, Samuel Kirkland, missionary to the Iroquois Indians, achieved his lifelong ambition: the founding of an academy.

His vital contribution to the American Revolution in securing the neutrality of the Iroquois had played a material part in blocking British efforts to sever the Colonies at New York. As a consequence, he was able to enlist the support of both George Washington and Alexander Hamilton for his academy, Hamilton consenting to be one of the first trustees.

On July 1, 1794, Baron Von Steuben, "the drillmaster of the Revolution," laid the cornerstone of the first building of the Hamilton-Oneida Academy. In 1812, eighteen years later, the academy was chartered as Hamilton College. The founding trustees chose well when they selected *Know Thyself* as the new college's guiding motto.

Undergraduates at Hamilton benefit not only from its small size but from the continuing generosity of its friends and alumni. The amount of endowment, of current support, and of capital investment represented by a modern, well-equipped plant enables the College to provide an education far beyond that which tuition alone could support.

Evidence of this is the size of Hamilton's classes. The ratio of

Faculty to undergraduates is one to ten (almost twice the national average); half the classes at Hamilton have fewer than 17 men. The result is a closer and more rewarding relationship between students and the Faculty.

There are other characteristics of Hamilton which should be mentioned. Hamilton has, from the beginning, affirmed the importance of the Christian faith, but it is not affiliated with any religious denomination. It puts great store on the personal integrity of its students, who govern themselves under a long-established honor system. It puts emphasis on teaching carry-over sports, yet has a wide and vigorous program of intercollegiate athletics. But, above all, Hamilton concerns itself with the student's development of certain intellectual abilities.

Today a student enrolling at Hamilton is expected to learn to speak and write his own language well, to attain skill in one foreign language, to become acquainted with the methods of science, to expand his knowledge of the relationship between man and society, to become familiar with at least one of the creative arts, and to develop his understanding of ethical and spiritual values. These are the attainments essential to a liberal arts education. To prepare young men for useful and effective lives was the original aim of Samuel Kirkland. It is the aim of Hamilton College today.

The College and Its Resources

HAMILTON COLLEGE is located near the center of New York State, nine miles from the city of Utica and one mile from the village of Clinton. The post office address of the College is Clinton, New York.

Railway express service is provided to Clinton by the Railway Express Agency via the New York, Ontario, and Western Railroad, Utica Division. Direct railway passenger service is readily available to Utica, which is served by the New York Central Railroad. A bus line with frequent service runs between Utica and Clinton, and a shuttle line runs from Clinton to the campus.

BUILDINGS and GROUNDS

The campus itself is a wooded park of about one hundred and sixty acres overlooking the Oriskany and Mohawk valleys. During the year 1951, through the generous gift of members of the Root family, the ROOT WILD GARDEN, consisting of over two hundred acres of land located south of the Root Glen, was added to the college campus. In all, the college buildings and grounds consist of five hundred acres of land and eighteen buildings, valued at nearly three million dollars. Compactly arranged in three quadrangles, most of these buildings are constructed of a limestone quarried only a few miles from the campus.

In addition, the College owns forty houses occupied by members of the Faculty or members of the staff, and their families. Nine fraternity houses owned by fraternity trustees and valued at three-quarters of a million dollars, and three fraternity houses owned by the College, furnish living quarters for many of the students.

Dormitories

Four buildings—MIDDLE COLLEGE (1840), NORTH COLLEGE (1842),

CARNEGIE HALL (1904), and SOUTH COLLEGE (1906)—afford dormitory accommodations for about one-half of the student body. Any freshman who does not live at home is required to live in a college dormitory.

All four dormitories have been modernized and redecorated in the past decade, and new furniture has been installed during the post-war years. The dormitories are now equipped with a Protectowire automatic fire-alarm system for the protection of life and property.

Nearly all the rooms are arranged in suites for two, three, or four occupants. Essential furniture—beds, desks, chairs, and chiffoniers—is provided. All dormitory beds are three feet wide and six feet six inches long. Rooms are leased for the academic year only. The buildings are closed during vacations, and the College reserves the right to use dormitory rooms during holiday periods.

Classrooms, Laboratories, Offices

Six buildings are devoted to instruction: SILLIMAN HALL, BENEDICT HALL OF LANGUAGES, ROOT HALL, TRAUX HALL OF PHILOSOPHY, the CHEMISTRY BUILDING, and the SCIENCE BUILDING. Silliman Hall (1880), originally the gift of Horace B. Silliman, Honorary '90, houses the Music Department, piano practice rooms, and a record library. Benedict Hall (1897), the gift of Henry Harper Benedict, '69, Truax Hall (1900), gift of Chauncey S. Truax, '75, and the Chemistry Building, which was erected in 1903 and rebuilt and enlarged in 1930, all provide classroom facilities. Root Hall, given by Elihu Root, '64, in memory of his father, Oren Root, Class of 1833, contains classrooms, the offices of the Dean and the Secretary of Admissions, and three studios, the recent gift of Edward Wales Root, '05. The Science Building, constructed in 1925, contains the Knox Museum of Natural History, a science library, departmental classrooms, and laboratories in physics, geology, biology, psychology, and anthropology. The various buildings also contain a total of forty offices for use by the Faculty in consulting with students.

Administration Building

Built in 1812, BUTTRICK HALL is as old as the College itself. As the birthplace of Elihu Root, the building is of historical interest.

In 1926 it was restored and reconstructed as the administrative headquarters of the College. Buttrick Hall now houses the offices of the President, the Controller, the Secretary of the College, and the Public Relations Bureau.

The Chapel

The Chapel, restored in 1949 as a World War II memorial, occupies the central site of the campus. Designed in 1827 by Philip Hooker and completed the following year, the Chapel is thought to be the last remaining example of an early three-story church in America. It is the home of the religious life of the College, and also affords a place for public lectures, college assemblies, and concerts. As part of the 1949 restoration, the chapel organ, too, was rebuilt, and a double organ, (a great organ and a *rückpositif),* installed.

Kirkland Cottage

The oldest (1792) building on the campus, Kirkland Cottage was first built near the foot of College Hill as a home by Samuel Kirkland, the founder of Hamilton College. In 1925 the cottage was moved uphill to its present campus site and later restored. Its furnishings now include Samuel Kirkland's desk and chair and other pieces of historical interest to visitors. The cottage is regularly used by Pentagon, senior honorary society, for its meetings.

The Infirmary

Built in 1870 and remodeled in 1923, PERRY HIRAM SMITH HALL contains a ward with six beds, two private rooms, a consultation room, and quarters for the two nurses on duty.

The Commons

The SOPER COMMONS, gift of Arthur W. Soper, Honorary '93, Alexander C. Soper, '67, and James P. Soper, was built in 1903. The building includes a large dining hall feeding 250, a lounge, a coffee shop, and the College Store.

Athletic Facilities

The ALUMNI GYMNASIUM (1940), gift of some three thousand

alumni and friends of the College, contains a regulation swimming pool, courts for basketball, squash, and badminton, facilities for fencing, indoor baseball and wrestling, locker and team rooms, a library, and the Baker Memorial Lounge Room, as well as offices for members of the physical education staff.

The RUSSELL SAGE BUILDING (1921), which is connected with the Gymnasium, houses an 85- by 200-foot indoor artificial ice rink and a 220-yard cinder running track. The hard-surface floor is used during fall and spring for indoor tennis, and for volleyball and football practice during inclement weather.

Adjoining these buildings are the STEUBEN FOOTBALL FIELD with its quarter-mile cinder track, a baseball diamond, nine tennis courts, three of which have all-weather surfaces, and a soccer and lacrosse field, as well as intramural fields.

The HAMILTON B. TOMPKINS GOLF COURSE, covering sixty-five acres, constitutes part of the campus.

THE LIBRARY

The Library contains about 228,000 volumes, an unusually large and well-balanced collection for a college the size of Hamilton. It is growing at the rate of approximately 4,000 volumes a year. About 560 periodicals are received regularly, including certain microfilm and microcard editions. Students may purchase, at the library's self-service bookstore, copies of the best among inexpensive paperbound books. A small rental collection provides the "best-sellers" not ordinarily found in a college library. The Browsing Room, for students' leisure-time reading, houses a 1500-volume collection to which important new titles are added during the year.

Students have free access to the stacks and are instructed in the use of catalogues, bibliographies, and reference works and in other library techniques. Typing space and research desks for students undertaking independent studies and term papers are provided. Use of the Library is covered by the Honor System (see pages 25-26): in keeping with the Honor Pledge books may be borrowed for a full semester, and no library fines are imposed.

Noteworthy among the library's special holdings are the Ezra

Pound Collection, the Rare Book Collection, the Alumni Collection of books written by and about graduates of the College, the Samuel Hopkins Adams Collection of college and regional history, and the Edward Robinson Collection of books on Palestinian travel. The library of David Worcester, Hamilton's twelfth president, an important addition to the library's general collections, is added to each year from the income of the David Worcester Memorial Fund.

There are three separate departmental libraries on the campus: 15,000 volumes in the Science Building for use in connection with courses in biology, geology, and anthropology; 2,500 volumes in the Chemistry Building; and the Alumni Gymnasium collection of books on hygiene and athletics.

SCIENTIFIC COLLECTIONS

The Knox Museum of Natural History, in the Science Building, contains valuable and constantly growing scientific collections in geology, mineralogy, biology, and anthropology. The geology and mineralogy collections, originated about 1850 by Professor Oren Root, of the Class of 1833, now include more than 100,000 specimens. There are also valuable biological and geological models, an herbarium, and large collections of shells, insects, butterflies, birds and mammals. The anthropological collection includes 2,000 specimens from the American Indian and Neolithic lake dweller civilizations, and from other primitive cultures.

MEDICAL SERVICE

Students are attended by the college physician, who is available in the Infirmary daily at regularly scheduled hours. In emergencies he is at the College as necessary. Associated with him are two nurses in regular attendance at the Infirmary. A clinical pathologist and a consultant in roentgenology serve the students when needed.

Payment of the Over-all Fee (see page 39) entitles the students

to the services of the college physician and the resident nurses. Except for board, one week in the Infirmary in each semester is provided without further cost; for time in excess of that amount a charge of three dollars a day is made. No charge is made for medicine and other materials used in dispensary treatment except medicines costing a dollar or more, and X-rays. The patient's board is not covered by the Over-all Fee and is charged at the current college rate. A student who regularly takes his meals at Commons receives credit for the meals missed while he is in the Infirmary.

Hospital Care

Income from a foundation known as the ROBERT MACALISTER FARRELL NURSING FUND, donated by the late Dr. Thomas H. Farrell, of Utica, in memory of his son, Robert Macalister Farrell, '21, is applied toward the cost of hospital care for students.

Accident Insurance

The College sponsors a group accident insurance policy with the Indemnity Company of North America. The policy covers hospital and medical expenses up to $500 for any insured student who suffers an accident between September 15 of the year the insurance is taken out and September 15 of the following year. The cost is twelve dollars a year, payable in full with the fall semester's bill. The insurance is optional with each student, but if he does not desire this coverage, he must notify the Controller's Office of his decision by signing a form at the time of registration.

STUDENT GOVERNMENT

THE STUDENT life of the College is under the management and direction of the student body. The STUDENT COUNCIL, a body of nine members on which all four classes are represented, serves as a governing board of student affairs, and meets regularly to conduct its business within the statutes established by the Board of Trustees and the Faculty.

The student INTRAMURAL COUNCIL, with the advice of the Director of Athletics, assumes full responsibility for the conduct and scope of intramural athletics.

All student publications are managed by the HAMILTON COLLEGE PUBLICATIONS BOARD, an organization chartered by the Board of Trustees and consisting of ten directors—five students and five members of the administrative staff and Faculty. The president of the board is always a student. The directors are responsible for the editorial policy of all publications, for the adjudication of editorial problems, and for financial management. All business matters are centered in the hands of one student business manager.

The INTERFRATERNITY COUNCIL (IFC), consisting of one delegate from each fraternity and the Squires Club, is responsible for the planning of all interfraternity houseparties and other social events, and for the fraternity rushing rules. The IFC also provides an annual scholarship worth between $350 and $450.

Honor System

The examinations of the College are conducted without proctors, under an Honor System which was established by the students forty years ago, and which has received undergraduate support ever since. The use of the Library and written work in courses in English

composition and public speaking are also included under the Honor System.

The Honor System is carefully explained during the new student's orientation period, and is fully described in the Student Handbook. Administration of the Honor System is in the hands of the Honor Court, composed of representatives of the four classes. This Court investigates all violations of the Honor System and makes recommendations to the Faculty for action against violators.

THE COLLEGE COMMUNITY

Religious Services

The College, while under no denominational control, is in the Christian tradition and regards divine worship as a regular part of the life of its students. It avows its historic debt both to the Christian faith and to the devotion of its founders. Public worship, at which attendance is required, is observed each Sunday evening. The sermons are by the Dean of the Chapel, other members of the Faculty, or guest preachers. Once each month the regular service is replaced by a chapel convocation, with an address on a theme in religion or ethics, followed by a question period. Students who for reasons of personal conscience desire to attend services other than those at the College may make special arrangements to do so.

Every Christian man who enters the College is urged to become a member of the Chapel Congregation. The Lord's Supper is celebrated regularly during the college year.

A memorial to John Herschel Morron, of the Class of 1859, established by the bequest of his son, John R. Morron, provides an endowment of $50,000, the income of which is used toward strengthening the religious program of the College, centering in the Chapel.

Lectures and Concerts

Lectures and concerts are provided during the year for the college community from the income of endowments established for the purpose, augmented by general college funds.

Income from the endowment provided by John R. Morron has

been used to establish an annual lectureship in religious thought. The first of the JOHN HERSCHEL MORRON LECTURES was delivered in November, 1953, by the Reverend George A. Buttrick, of the Madison Avenue Presbyterian Church in New York City.

The MYERS LECTURES were established in 1912 in memory of John Ripley Myers, of the Class of 1885, with an endowment of $10,000. The foundation is intended "to bring into the life of the college community new men and new points of view not covered by the ordinary curriculum of the College, and to add to its cultural possibilities."

The WOOD MEMORIAL LECTURESHIP, a fund of $2,000, was established in memory of Frank Hoyt Wood, for many years professor of political science at the College.

The WINSLOW LECTURES IN CLASSICAL ARCHAEOLOGY were established with a bequest of $10,000 by William Copley Winslow, D.D., of the Class of 1862. Lecturers on the Winslow foundation have included Benjamin D. Meritt, of the Class of 1920, 1946-47; Rys Carpenter, 1947-48; William B. Dinsmoor, 1948-49; Carol H. V. Sutherland, 1949-50; H. T. Rowell, 1950-51; Carl H. Kraeling, 1951-52; Gilbert Highet, 1952-53; Carl Blegen, 1953-54, and Sterling Dow, 1954-55.

Art Program

The Art Department, through the generosity of Edward Wales Root, of the Class of 1905, has been provided with three sky-lighted studios, an exhibition room, and offices for the two members of the department, conveniently grouped in Root Hall. Mr. Root's gift has also made possible the purchase of equipment and materials to be used in individual instruction in creative drawing and painting.

To extend a knowledge and understanding of art to students who do not take formal instruction in the department, frequent exhibitions are planned illustrating art in process and art productions of many varieties and from many cultures, past and present. The excellent permanent and visiting exhibits of the Munson-Williams-Proctor Institute in Utica are also available to students.

The ART LENDING LIBRARY, administered by the College Library, consists of a collection of about one hundred and fifty framed copies of important paintings and sculptures. Students may rent the pictures in this collection by the semester for a nominal fee.

ORGANIZED ACTIVITIES

Athletics

POLICY. Hamilton College follows an athletic policy that reflects and interprets the educational philosophy and ideals of the College. There are three interlocking programs: intercollegiate sports, the intramural program, and the individual development program, which consists of individual instructions leading to proficiency in a number of different sports, all of which have "carry-over" value. The wide variety of approved sports in the three programs makes it possible all year 'round for every student to engage in a congenial form of athletics suited to his individual needs.

SCHEDULES. Sports events generally are scheduled with colleges whose size, educational standards, and athletic policy are similar to Hamilton's. Hamilton is not a member of any athletic league or conference, nor does it participate in post-season games. The Faculty sets limits and gives final approval to all athletic schedules.

The ATHLETIC DEPARTMENT is one of the academic departments of the College. The coaches, who are members of the Faculty, conduct the regularly-scheduled physical education classes. The department's budget is one part of the academic budget; the department's finances are directed by the College Comptroller.

The recognized intercollegiate sports are football, soccer, basketball, cross-country, ice hockey, swimming, track, baseball, lacrosse, golf, and tennis. Informal intercollegiate competition is conducted also by ski, squash and sailing groups. Interclass and interfraternity competition is normally held in touch football, basketball, ice hockey, track, softball, golf, tennis, volleyball, swimming, table tennis, squash, bowling, badminton and handball. The student Intramural Council assumes responsibility for intramural athletics (see page 25).

The BLOCK H CLUB, consisting of those undergraduates who have received their letters in varsity sports, is dedicated to working for the best interests of athletics at Hamilton College. The club holds a sports banquet at which the annual athletic awards are announced.

Six athletic awards are given annually to varsity players who are outstanding for their sportsmanship, personal attitude and general contribution to their team: the THOMAS MOORE SHERMAN

AWARD, established by Sherrill Sherman, '04, in golf; the JOHN STRICKLAND AWARD, established by John Strickland, '05, in baseball; the FOWLER AWARD, established by Richard S. Fowler, '23, in football; the PAULDING F. SELLERS, JR., AWARD, established by Harry O. Harman, '30, in hockey; the JAMES H. CAMPBELL AWARD, established by Donald C. Hiler, '30, in basketball; the SHULMAN AWARD in soccer, established by Mandel G. Shulman, '44, and the CLASS OF 1904 AWARD in tennis.

Debating

Each year students participate in numerous intercollegiate debates on a variety of subjects. Much attention also has been given in recent years to extension debates and panel discussions delivered before luncheon clubs, parent-teacher associations, and other organizations in central New York. The facilities of four nearby stations are available for occasional radio and television broadcasts. Several Hamilton students participate in the annual state intercollegiate debate assembly. Since 1922 Hamilton College has had a chapter of DELTA SIGMA RHO, the honorary forensic fraternity. This organization fosters symposium discussions and radio debating. The College frequently plays the host for state and sectional debate tournaments.

Dramatics

The CHARLATANS, the college dramatic society, was organized in 1909 by a group of students headed by Robert Barnes Rudd and the late Alexander Woollcott. Today, as then, membership in the group is open to all students having an interest in dramatics or stagecraft. Usually the Charlatans present two full-length productions and the three best student-written, one-act plays each year. Outstanding work with the Charlatans is a prerequisite to election to ALPHA PSI OMEGA, national honorary dramatics society, the local chapter of which was established in 1951. Recent Charlatans productions have included *Oedipus Rex, Billy Budd, The Play's the Thing, Kind Lady, Darkness at Noon, Caesar and Cleopatra,* and *King Henry IV, Part I.*

The College also offers a course in dramatic interpretation; see Public Speaking 39-40.

Music

The COLLEGE CHOIR provides music for the Sunday chapel service, gives a concert on Commencement weekend, and sings at other special occasions. Engagements off the campus and joint concerts with choral organizations of neighboring women's colleges are commonly arranged each year. The activities and direction of the choir are under the jurisdiction of the Department of Music. Ability to sing is the sole requirement for admission; previous experience is helpful but not necessary.

The BUFFERS, a double quartet providing a light program of close harmony, appear at Hamilton and other eastern colleges.

The COLLEGE BAND, organized in 1932, is also under the general direction and control of the Department of Music. Membership is open to any student who can play an instrument. The band plays at athletic contests and on other special occasions.

The HAMILTON COLLEGE SINGING TROPHY is awarded annually on the basis of interclass competition held on Class and Charter Day late in May. Each spring an intramural sing determines the winner of the BERRIAN R. SHUTE INTRAMURAL SING TROPHY, donated by the College Choir and named after the chairman of the college's Department of Music.

Publications

The student publications include *The Spectator,* a weekly newspaper, *The Continental,* a literary magazine, and *The Hamiltonian,* an annual. Payment of the Over-all Fee (see page 43) entitles students to receive all publications. All student publications are under the management of the Hamilton College Publications Board (see page 25).

The COLLEGE PRESS BOARD provides an opportunity for students interested in journalism to gain both practical experience and remuneration by serving as correspondents for newspapers published in neighboring cities and for such news services as the Associated Press and the United Press. Job opportunities exist for both writers and photographers.

For outstanding work on college publications or the Press Board, students may be elected to the local chapter of PI DELTA EPSILON, the national honorary journalistic fraternity.

STUDENT ORGANIZATIONS

Interest Groups

Students interested in a particular field of study, find a common ground in the DEPARTMENTAL CLUBS which meet at intervals during the college year. Discussions, presentation of papers, and a social hour provide the customary program, and meetings take place either in fraternity houses or at the homes of faculty members. Field trips may also be held. Among such interest groups are the clubs fostered by the Biology, Economics, French, Spanish, and German departments.

The INTERNATIONAL RELATIONS CLUB is an undergraduate organization, with student officers and a faculty advisor, whose purpose is to stimulate and plan student discussions on current international issues. The club meets twice a month and sponsors lectures and informal discussions conducted by the student members. It also sends a delegation to the annual meeting of the Model United Nations.

The CAMERA CLUB offers photo enthusiasts darkroom facilities, photo trips, and an annual print contest.

The OUTING CLUB, with Professor J. Franklin Hunt as advisor, organizes and conducts hikes, ski trips and camping tours.

Religious Organizations

The STUDENT CHRISTIAN ASSOCIATION (SCA) meets weekly for the discussion of religious questions. In recent years the SCA has sponsored a series of motion picture programs for the benefit of the Harlan F. Woodfork Scholarship, and has conducted an annual clothing drive to aid European or Korean displaced persons.

The CHAPEL BOARD is composed of both students and faculty members, and advises the College on the program of Sunday services and chapel forums. The board also sponsors a series of home seminars conducted by various members of the Faculty on subjects of religious interest; it arranges for Communion services and it conducts a yearly Campus Fund campaign for the benefit of several foreign colleges and scholarship funds.

Episcopal students have the opportunity of joining the ANGLICAN SOCIETY, and Roman Catholics, the NEWMAN CLUB, both having

active chapters on the campus. Both groups meet frequently for discussions with their own priests.

Social Organizations

All the fraternities and the Squires Club are represented on the Interfraternity Council (see page 25.) The PRESIDENT'S TROPHY FOR SCHOLASTIC ATTAINMENT, an annual award, is given to that group represented on the Interfraternity Council which has made the greatest improvement in scholastic average during the preceding academic year.

The following fraternities are active at Hamilton: SIGMA PHI (1831), ALPHA DELTA PHI (1832), PSI UPSILON (1843), CHI PSI (1845), DELTA UPSILON (1847), DELTA KAPPA EPSILON (1856), THETA DELTA CHI (1868), EMERSON LITERARY SOCIETY (1882), LAMBDA CHI ALPHA (1924), TAU KAPPA EPSILON (1930), and DELTA PHI (1950).*

Early in 1939 the non-fraternity students at Hamilton organized themselves as a social unit known as the SQUIRES CLUB. Headquarters for this organization have been provided by the College in the recently remodeled Squires House. The club arranges dances, bridge and table tennis tournaments, intramural sports, and numerous and other activities for members. Every student who is not a member of a fraternity is eligible to membership in the Squires Club upon the payment of nominal dues.

Honor Societies

Each of the three upper classes has an honorary society, members of which are chosen in the spring of the preceding academic year. The senior honorary group, which is called PENTAGON, chooses five men annually on the basis of their leadership and devotion to the College. The junior honorary society, WAS LOS, annually chooses seven men who have demonstrated leadership in campus activities. The sophomore honorary body, D.T., elects thirteen outstanding athletes and campus leaders.

The honor societies sponsor such varied campus activities as blood-bank drives, pep rallies, and all-college dances, serve as cheer leaders, campus escorts and Commencement ushers, and in general pledge themselves to improvement of the undergraduate activities of the College.

* Dates given indicate the year when local chapters were established at Hamilton.

2

ENROLLMENT

Admission

Expenses

Financial Aid

. . . the essence of the matter is still to bring together young men of ability and ambition, young men of serious purpose who want to do something useful with themselves, with older men of deeper knowledge, riper wisdom, broad sympathy, and some personal convictions about the business of living, which they believe worth sharing. Hamilton has always stood for that kind of education and will continue to do so. Our dream for the College is the dream of the founder.

—Robert Ward McEwen, President, 1948—

Admission

HAMILTON COLLEGE makes a selection among applicants for admission to the freshman class, chiefly on the basis of scholarship and character. A candidate from a high school will be expected to have an average for his course of not less than 80 per cent. A candidate from a private school should have college certificating grades in the majority of his subjects. In neither case does the meeting of these minimum standards assure admission.

Application for admission to the freshman class should be made to the Secretary of Admissions, Hamilton College, Clinton, New York. A candidate should file his application as early as possible in the year in which he seeks admission, preferably before the completion of the first half of his final preparatory year. The blue preliminary application form facing page 40 will bring the applicant the formal application blank.

REQUIREMENTS for ADMISSION

Secondary School Credits

A candidate for admission is expected to complete a secondary school course which gives preparation for the work of a liberal arts college. Sixteen units will be required, drawn from the usual college preparatory subjects of English, mathematics, foreign language, science, and social studies. Although the College does not prescribe how these subjects shall be distributed, it expects a minimum of four years of English, two and one-half years of mathematics, and two years of one foreign language. Candidates who propose to participate in the cooperative engineering program (see page 50) should offer strong records in mathematics and the physical sciences. Above all else, Hamilton College stresses ability and ambition to do intellectual work. The Committee on

Admissions will, therefore, consider the applications of able candidates who are highly recommended by their schools but whose preparation is somewhat irregular in number of units presented and subjects studied.

Examinations

Each candidate must take in December, in January, in March, or in May (preferably in January or in March) of his senior year the Scholastic Aptitude Test of the College Entrance Examination Board, which is given at convenient places throughout the country. Application for this examination must be addressed to the College Entrance Examination Board, Box 592, Princeton, New Jersey, at least three weeks in advance of the date of the examination. The board will furnish each candidate with a schedule of examinations, a list of examination centers, and all the instructions he may need. The fee is twelve dollars, which covers the Scholastic Aptitude Test (required of all candidates) and one, two, or three achievement tests; for the Scholastic Aptitude Test alone the fee is six dollars. The tests will be held on the following Saturdays: December 3, 1955; January 14, March 17, and May 19, 1956.

Interview

Since Hamilton is a small college and its members share a common life, the character and personal qualifications of students are of great importance. Every candidate must, therefore, be interviewed at the College, at his school, or at his home by a member of the college staff or by a designated alumnus.

Admission to Advanced Standing

An undergraduate who desires admission with advanced standing to Hamilton College must present an official statement of honorable dismissal and of his previous work at an approved institution of collegiate rank. With the exception that transfer credit in freshman English composition must be validated by an achievement test here, he may be granted credit for such work without examination. This official statement must include a full list of his accepted preparatory subjects, and a list of his college courses with his record therein. Such admission by transfer is ordinarily granted only when

the applicant has maintained a standing in the upper half of his class. Credit is given only for courses completed with a grade as high as C. To be eligible for a degree from Hamilton, a transfer student must have completed at least two years of work in residence and all the requirements for graduation (see pages 53-57).

REGISTRATION

Freshmen must report several days before the formal opening of college. During these days each freshman has an interview with the Dean or a counselor, and take a physical examination, an aptitude test, and achievement tests. The information supplied by the tests is used by the Dean and by faculty counselors to help each student adjust himself to the life and work of the College.

All students must register prior to the opening of college. (In 1956, between September 15 and September 19.) Schedules of returning students are revised at this time if necessary and the schedules of new men arranged.

Expenses

HAMILTON'S founders desired that no worthy young man should be turned away for lack of funds. To that end they and their successors created an endowment which—together with annual gifts—makes possible a tuition charge representing only half of what a student's education actually costs.

However, for many men (fully 35 per cent of those enrolled at Hamilton in an average year) even this contribution is not enough; for them, scholarship money, employment opportunities, or loans have been provided in limited amounts.

Clearly enough the desire to make Hamilton's education available to all who are found worthy remains; how well this desire can be realized for each applicant can only be answered on an individual basis. Any applicant who forsees financial difficulties will be assisted personally by the Secretary of Admissions in planning a four-year budget.

The full cost of a year at Hamilton, including personal needs, is now between $1,800 and $2,000; actual college charges covering tuition, board, and room are $200 to $400 less than those figures. Below are listed the charges and the ways in which the College offers assistance in meeting them.

COLLEGE FEES

Application Fee, Deposits

APPLICATION FEE. An application fee of five dollars (not returnable) must accompany each formal application for admission. No fee is required with the preliminary application form (the blue form facing page 40).

REGISTRATION DEPOSIT. A pre-registration deposit of fifty dollars (not returnable) is required of all candidates for admission within

fifteen days after the receipt of formal notice of acceptance. This fee is credited on the first semester's bill. The deposit for returning men is twenty-five dollars, payable before an appointed day in May. It also is not returnable.

GUARANTEE DEPOSIT. An initial guarantee deposit of twenty-five dollars is required from each student upon entering college. This deposit will be held to ensure final payment of minor bills. Any unused balance will be returned to the students when he leaves college.

Tuition and Other Fixed Fees

TUITION	per semester	$400.00
ROOM (dormitory)	per semester	100.00
BOARD (at Commons)	per semester	250.00
ACCIDENT INSURANCE (optional)	per calendar year	12.00
OVER-ALL FEE	per semester	40.00

TUITION. The basic tuition fee is paid by all undergraduates. Those who enroll in more than the normal 16 to 18 hours per semester (five courses plus a Public Speaking course) must pay an OVERELECTION FEE of $22.00 for each extra hour elected. (Membership in the Choir is not considered an overelection.) Those who elect fewer than 12 hours per semester pay an UNDERELECTION FEE of $28.00 per hour in lieu of the semester tuition.

ROOM AND BOARD. The figure given above is that for rent of a room in a college dormitory. Room rent in a fraternity house varies and is determined by each fraternity. Similarly, the figure given above for board is that charged at Commons. Board in fraternity houses is determined by each house.

ACCIDENT INSURANCE. The College sponsors a group accident insurance policy as part of its medical service (see page 24). The premium of twelve dollars a year is payable in full with the fall semester's bill. The student who does not desire this coverage must notify the Controller's Office of his decision by signing a form at the time of registration.

OVER-ALL FEE. The Over-all Fee covers medical service (excepting accident insurance) as described on page 24, and the charges for student activities, student publications, and educational equipment.

Variable Fees

In addition to the fixed fees listed above, a student may incur other charges, as a matter of choice. If he wishes to rent a music-practice room, the fee is $7.50 per semester. For use of the Record Library, the charge is $4.00 per semester.

PAYMENT of TERM BILLS

Bills for the semester will be rendered in two parts. The first bill for the fall semester will be rendered some time before the opening of college in the fall. The first bill for the spring semester will be rendered before the start of the second semester in February. In each case the bill must be paid before the student may attend his first class of that semester. The first bill will cover tuition, fees, and in the case of freshmen, the guarantee deposit. Credit for the registration fee will be shown on this bill. The second bill for the fall semester will be rendered in October and is payable before November 1. For the spring semester, the second bill will be rendered some time before February 20 and is payable by March 10.

If the total of either second bill is over $100.00 it may be paid in three equal installments. Payment dates for the fall semester are November, December, and January 1; payment dates for the spring semester are March, April, and May 10.

Any student whose bill is not paid as provided herein may be excluded from classes until the bill or installment due is paid and further shall be charged five dollars for each late payment.

If a student enters late, is absent under discipline, withdraws, or is dropped, his board bill is prorated provided he takes his meals at Commons; no other rebate is granted him. No student whose college bills are unpaid may receive a degree or honorable dismissal, or a transcript of his record.

Bills will be sent only to students, who will be responsible for their payment.

Financial Aid

SEVERAL possibilities for financial aid present themselves to the applicant for admission who finds himself unable to meet the full cost of enrollment. A sizeable number of Hamilton men augment their resources through part-time employment, and a number receive financial assistance through scholarship grants. General scholarships (see pages 43-44) are open to a limited number of able freshmen, and many of the special scholarships (see pages 45-46) are also available to first-year men, provided they meet the particular requirements stipulated in each instance. Listed below are the scholarships especially reserved for freshmen. It should be noted that, in the main, these grants are awarded to candidates who have demonstrated their capacity for intellectual achievement and showed promise of leadership ability. Any candidate for admission is eligible to apply for scholarship aid. For further information, candidates should write to the Secretary of Admissions, Hamilton College, Clinton, New York.

FRESHMAN SCHOLARSHIPS

Scholarships Offered in Specific Areas

Connecticut

Residents of Fairfield County, Connecticut, should note the provisions of the scholarship being made available by the Metropolitan New York Alumni. (See New York, Page 42.)

Illinois

Sons of secondary school teachers in the state of Illinois should note the provisions of the scholarship which has been made available to them. (See Page 43.)

New York

In 1956, the ALUMNI ASSOCIATION OF METROPOLITAN NEW YORK SCHOLARSHIP is offered to students who attend schools in Putnam, Rockland, Westchester Counties, New York, and Fairfield County, Connecticut. The scholarship will pay up to $4,000 over a four-year period, the exact amount of the award to depend upon the financial need of the recipient.

In 1955, the WESTERN NEW YORK ALUMNI ASSOCIATION SCHOLARSHIP will be available to candidates for admission who attend schools in these counties: Cattaraugus, Chautauqua, Erie, Genesee, Niagara, and Wyoming. The scholarship has a value of up to $4,000 over a four-year period.

In 1955, the ROCHESTER ALUMNI ASSOCIATION SCHOLARSHIP, with a value up to $4,000 over a four-year period, will be available to candidates for admission to the Class of 1960 who attend schools in these counties: Livingston, Monroe, Ontario, Orleans, Wayne and Yates.

In certain years, candidates for admission who attend schools in Livingston, Monroe, Ontario, Orleans, Wayne, and Yates counties are eligible to compete for the LIEUTENANT WILLARD B. EDDY, JR., MEMORIAL SCHOLARSHIP, established by Mr. and Mrs. Willard B. Eddy, of Rochester, New York, in memory of their son. This scholarship carries a value of up to $3,400 over a four-year period and is awarded on the basis of academic achievement and character. This scholarship will be available for award again in 1958.

Secondary school students from Cayuga, Cortland, Onondaga, Oswego, and Seneca counties are eligible, in certain years, to compete for the DAVID SHOVE HASTINGS SCHOLARSHIP, established by Mr. and Mrs. J. Murray Hastings in memory of their son. This scholarship will be available for award again in 1957.

Sons of secondary school teachers in the State of New York should note the provisions of the scholarship which has been made available to them (see below).

Certain special scholarships are reserved by the donors for graduates of specified preparatory schools in New York State. The terms of the ELIZABETH R. FITCH SCHOLARSHIP stipulate that preference be

given to graduates of the Westmoreland High School. The GEORGE E. DUNHAM SCHOLARSHIP is restricted to graduates of the Utica Free Academy, and the A. W. SOPER SCHOLARSHIP, to graduates of the Rome Free Academy.

STATE SCHOLARSHIPS. The University of the State of New York provides in each assembly district 20 competitive University scholarships, based upon the results of a comprehensive examination given by the State Education Department each year, and yielding $350 annually for four years. Successful competitors may enter any approved college within the state. The winning of a state scholarship does not prevent a student from being granted a special or general scholarship by Hamilton College.

Pennsylvania

Sons of secondary school teachers in the state of Pennsylvania should note the provisions of the scholarship which has been made available to them. (See below.)

Scholarships for Sons of Secondary School Teachers

Hamilton College has made three scholarships available in 1956 to the sons of secondary school teachers. One, with a value of up to $4,800 over a four-year period, is offered to sons of secondary school teachers in the state of Illinois. The other two carry a value of up to $3,400 and are offered in the states of New York and Pennsylvania.

Scholarships for Students Planning Business Careers

For students interested in business or industrial careers, the Union Carbide and Carbon Corporation has made available two scholarships for freshmen who will matriculate at Hamilton College in the fall of 1956. Each of the UNION CARBIDE SCHOLARSHIPS covers the complete cost of tuition for the four-year course and provides, in addition, a reasonable allowance for the necessary books and required fees.

GENERAL SCHOLARSHIPS

Any Hamilton undergraduate is eligible to apply for a general scholarship. However, the scholarships were established as an aid for those who find it difficult to meet the cost of a college education, and should not be sought by others. These grants are supported in part by the income from the more than seventy scholarship foundations listed on pages 113-114, and in part by the general funds of the College. They are awarded on the basis of need, scholarship standing, character, and salutary influence on the life of the College. Stipends range in amount from one hundred dollars to one thousand dollars annually, depending on the student's academic record and need. In accepting the assistance of a scholarship, the holder is expected to consider himself pledged to perform all his college duties creditably, to maintain a high standard of deportment, and to exercise strict economy. The following are the procedures and regulations which govern the awarding of general scholarships.

1. Hamilton is a member of the College Scholarship Service. Each freshman candidate for scholarship aid must file his application with that organization on a form furnished either by his school or by the College. Upperclassmen candidates for scholarship aid will file their applications directly with the College.

2. Consideration of an application for scholarship aid cannot be given until the candidate has made application for admission to the College. The granting of admission in no way guarantees the granting of a scholarship.

3. Scholarship awards are credited against term bills, one-half in each semester.

4. A scholarship is awarded for a single semester but will automatically be renewed for the second semester of a college year if a student has a C average at the end of a semester with no failure and no delinquency in attendance. After two semesters a new application must be filed.

5. Students under academic or social censure are not eligible for scholarships, and if such censure follows the granting of a scholarship, the scholarship is withdrawn.

6. A special or general scholarship may not be held in addition

to a prize scholarship, but it may be awarded in part to supplement it.

7. No scholarship holder may maintain an automobile at the College without the express approval of the Dean.

SPECIAL SCHOLARSHIPS

Hamilton College offers the following special scholarships for undergraduates who need aid and who meet the requirements set forth by the scholarship donors.

The B. T. BABBITT SCHOLARSHIP, founded by the Lillia Babbitt Hyde Foundation of New York City, is reserved for a student preparing for a medical career. (Available in 1956.)

The donor of the EDWARD S. BABCOCK SCHOLARSHIP has specified that preference be given to members of the Emerson Literary Society.

The JAMES L. BENNETT SCHOLARSHIP is awarded to a student who, at the end of his freshman year, qualifies for scholarship. Provided he continues to satisfy the requirements for maintaining a scholarship, it may be renewed for his junior and senior years.

The GEORGE A. CLARK SCHOLARSHIP is reserved for a candidate for the Presbyterian ministry, to be designated by the pastor and session of the First Presbyterian Church of Utica, or by the College.

The DR. EDWARD FITCH SCHOLARSHIPS IN THE CLASSICAL LANGUAGES, founded by E. Root Fitch, of the Class of 1886, are awarded annually to students who are registered for courses in either Greek or Latin (courses in translation not included). The awards are made on the basis of need, scholastic standing, character, and salutary influence on the life of the College.

The E. ROOT FITCH SCHOLARSHIPS, founded by E. Root Fitch, of the Class of 1886, are awarded annually to members of the Hamilton chapter of Delta Upsilon on the basis of need, scholastic standing, character, and salutary influence on the life of the College.

The HONORABLE IRVING M. IVES SCHOLARSHIP, founded by the Norwich Pharmacal Company, is awarded in certain years, with preference given, first, to the son of an employee of the company and, second, to a resident of Chenango County.

The MARCUS JUDSON SCHOLARSHIP is reserved for a student from

the Presbyterian Church of Watertown, New York.

The LEAVENWORTH SCHOLARSHIP is available to a student or students bearing the surname Leavenworth.

The WILLIAM DELOSS LOVE SCHOLARSHIP was established by William DeLoss Love, of the Class of 1909, Mrs. William D. Scranton, and others. In accordance with the wishes of the scholarship donors, preference is given to descendants of William DeLoss Love, of the Class of 1843.

The terms of the ANNIE L. MAC KINNON SCHOLARSHIP stipulate that preference be given to a student whose record shows ability and interest in mathematics.

The S. B. STEERE SCHOLARSHIP was established for blood relations of the donor. If none appears, preference is given to candidates for the ministry.

The HARLAN F. WOODFORK SCHOLARSHIP, founded and maintained by the Student Christian Association, is awarded annually on the basis of character and need.

LOANS

The Theodore M. Pomeroy Loan Fund, established in 1916 with the purpose of "assisting worthy young men to acquire an education at Hamilton College," is now valued at slightly less than twenty-five thousand dollars. The loans are repayable by seniors within three years, interest at 4 per cent being computed from the time the student leaves college, and by other students before returning to college the following fall, with interest at 4 per cent being charged from the time the loan is made.

STUDENT EMPLOYMENT

The College and community offer opportunities for part-time employment to more than one-third of the student body. Individual earnings range from a few dollars to several hundreds, according to the kind of work done. The fraternity houses on the campus provide jobs which afford board or room for from five to ten men each. All other employment is handled by the Secretary of Admissions.

3

ACADEMIC PROGRAM

Planning for a Career

Academic Requirements

Courses of Instruction

. . . An interest aroused and established in the whole round of lore and life, a heart responsive to the multiformity of knowledge and endeavor—this is the best preliminary preparation for any and every particular pursuit. If a too early partialism crowds this aside, it steals away that horizon beyond his peculiar task which, for the relief of his intellect and for the health of his heart, every man needs. When professionalism becomes a vice it is because it looks meagerly and torpidly upon all that does not fit its own furrow, is only practical at one angle. . . . True education is eduction—*the outdrawing of the utmost capacity. The market value of it is in its production of whole men, wide-based and well-builded, such as are more and more demanded for the enlarging and compacting partnerships of mankind.*

—Melancthon Woolsey Stryker, President 1892-1917

Planning for a Career

A COLLEGE education is never an end in itself. Whether a man intends to enter upon his career immediately after graduation or to continue his education in a graduate or professional school, the College endeavors to help him choose wisely and prepare himself appropriately.

FOUNDATIONS for a CAREER

Counseling

In order to help the student to determine what courses are most suited to his purposes and his aptitudes, the Dean, assisted by members of the Faculty, devotes considerable attention to counseling every undergraduate throughout his course. In particular, he confers at length with each freshman at the beginning of the year and frequently afterwards to aid him with his academic and personal problems. The Dean is available for conferences with students during thirty-five or forty hours a week in his office in Root Hall. Similarly, each member of the Faculty keeps regular office hours to see his students individually.

Qualified alumni also may serve as counselors on occasion. With alumni cooperation, the College sponsors each year a series of vocational conferences. At these meetings, men who are making a success in their chosen fields hold group and individual conferences to acquaint students with the opportunities and requirements of the various careers. Recent conferences have included such subjects as law, medicine, journalism, the ministry, education, research, insurance, industry and commerce, the creative arts, government, advertising, and banking.

Preparation for the Professions

Since a great many Hamilton men continue in graduate study,* proper preparation for such work is an important aim of the college curriculum. It is certain that one of the most significant recommendations which a man may present to a graduate school of any kind, or to an employers, is a good academic record in a reputable school. And certainly the student will wish that record to show preparation suited to his career or the proposed graduate study. The faculty advisors of the College have as one of their prime responsibilities that of helping the student to plan his program with an eye to just such needs. The following brief comments may be helpful to the undergraduate in planning his work in relation to the various types of graduate study.

Engineering

To meet the needs of students who wish to combine liberal arts with education in science and engineering, Hamilton College has entered into cooperative arrangements with the Massachusetts Institute of Technology, the School of Engineering of Columbia University, and Rensselaer Polytechnic Institute. Under this arrangement, students of superior ability may plan a combined five-year course of study of which the first three years are spent at Hamilton and the last two at a cooperating institution. On the completion of this five-year program, qualified students may receive the degree of Bachelor of Arts from Hamilton College and the degree of Bachelor of Science from the engineering school. Full details of this cooperative program may be secured from the Secretary of Admissions at Hamilton. (See Page 59.)

Medicine and Dentistry

Virtually all recognized medical and dental schools require year-courses in general chemistry, organic chemistry, biology, and physics. In addition, Hamilton feels that qualitative and quantitative chemistry and a second year-course in biology are essential for satisfactory medical-school preparation. Study in mathematics, psychology, and additional science courses are also recommended, but the

* The Graduate Record Examination, required of all candidates by many graduate schools, may be taken at Hamilton.

pre-medical student need not feel it necessary to concentrate in a science department.

Graduate Study in Arts and Sciences

Students who anticipate working for an M.A. or a Ph.D. in some subject field should note carefully that almost without exception a reading knowledge of French or German is required for the master's degree, and a reading knowledge of both for the doctor's degree. Election of one or both of these languages in college is therefore most strongly recommended. In addition, many graduate schools require a knowledge of Latin for degrees in English and modern languages. A student contemplating advanced work in science should plan to take mathematics at least through analytical geometry and elementary calculus. Certain types of scientific study will require more mathematics.

Teaching

Hamilton is proud of the number and quality of its graduates who are successful teachers and school administrators. For those students who plan a teaching career, Hamilton has entered into a cooperative plan with Harvard University, through the support of the Fund for the Advancement of Education. Hamilton graduates who wish to prepare for teaching in primary or secondary schools or in junior colleges may enroll at Harvard in a one-year program leading to the degree of Master of Arts in Teaching. Undergraduates interested in this or other post-graduate training should consult with the Hamilton Department of Education before planning their course programs, and must keep in mind that individual states set up specific course and hour requirements for the certification of their public school teachers. The prospective public school teacher usually will elect three year-courses in education, including practice teaching, as an undergraduate, and will probably concentrate in the subject which he expects to teach.

Business, Law, Government Service

For many careers and professions it is impossible to prescribe any set program—the law, for example, business administration, or government service. The best preparation for these is probably well-

developed skills in reading, speaking, and writing, a wide choice of courses among the subject fields, and concentration in the area which the student finds most interesting. The man who anticipates a life's work in law or government service may wish to take several courses in history, political science, or economics, and the future business administrator may concentrate in economics, but for careers of this sort, specialization need not begin early and often may better begin late.

For students with these careers before them, as for most undergraduates, the most valuable training for future life will be as much knowledge of many fields of human experience as they can gain.

Placement Bureau

Although considerably more than half of each senior class at Hamilton go on to graduate study for one or another of the professions, many enter directly upon their careers. For them the Dean's Office, with the aid of members of the Faculty, functions as a placement bureau. Many alumni, themselves well established in their careers, are helping Hamilton men to secure positions suited to their aptitudes and interests. And each spring the Dean's Office schedules interviews for interested seniors with the representatives of business and industrial firms who visit the campus.

Academic Requirements

REQUIREMENTS for GRADUATION

The basic requirement for graduation is the completion of a course of study designed to bring to the student the essential virtues of a liberal arts education. The underlying principles may be characterized as breadth, depth, and freedom. Breadth, represented by guided elective courses in six prescribed areas, introduces the student to the major fields of knowledge as represented by the traditional liberal arts philosophy. Depth, represented by concentration requirements, enables the student to acquire something of a real mastery in a specific subject field. Freedom, represented by free electives, gives the student opportunities to choose courses which for any one of a number of reasons appeal to him and promise to add to his development. Throughout, the prime objective is intellectual and spiritual development.

Credit Hours Required

To QUALIFY for graduation from Hamilton College a student must have a total of 128 semester-hour credits. A semester hour usually represents one hour per week of classroom work (or from two to four hours of laboratory work) throughout half of the college year. Exceptions are certain elementary language courses which are scheduled for five hours a week of classroom work, with a credit of three semester hours.

Most courses carry three hours of credit each semester. Exceptions are the 11-12 courses in Biology, Chemistry, Geology, Physical Science, and Physics, which carry four hours of credit each semester, Public Speaking courses, which carry one or two hours credit, and Choir, which carries one hour credit each semester.

Normally a student takes in each semester five three- or four-hour

courses in addition to the required work in Public Speaking. Any deviation from the normal number is subject to the approval of the Academic Council. No student is allowed to carry a schedule of more than 21 or fewer than 13 hours without approval of the Faculty.

Basic Courses Required

In 1950, the Faculty and the Trustees adopted a plan of liberal studies which includes six attainments essential to a liberal arts education. To quality for graduation, a student must satisfactorily complete the amount of work prescribed for each of these six attainments:

I

A SUPERIOR COMMAND AND COMPREHENSION OF THE ENGLISH LANGUAGE

A. *Command and comprehension of the English language as a written medium.* Either English Composition 11-12 (6 hours) or English Composition 13-14 (12 hours) is to be taken in the freshman year.

B. *Command and comprehension of the English language as an oral medium.* Public Speaking 11-12 is to be taken in the freshman year and Public Speaking 21-22 in the sophomore year. One hour in each term of the junior and senior years is to be selected from courses above 21-22, except that supervised extracurricular work not done for college credit, such as student forums, debating, and extension speaking, may be substituted for course work.

II

A REASONABLE COMMAND OF ONE FOREIGN LANGUAGE

The student must complete course 21-22 in French, German, Latin, or Spanish, or a course numbered above 21-22 in Greek. This work must be begun in the freshman year and continued without interruption until completed.

III

AN UNDERSTANDING OF THE NATURE OF REASONING AND AN ACQUAINTANCE WITH THE NATURAL WORLD AS KNOWN THROUGH THE SCIENCES

Here the student has an option of two plans: *Plan I*—completion

of 11-12 in Biology, Chemistry, Geology, or Physics*, and a second course in the same science for which the introductory course is a prerequisite; *Plan II*—completion of 11-12 in Biology, Chemistry, Geology, Physical Science, or Physics*, or 21-22 in Geology; and a second course chosen from Mathematics 11-12, 13-14, 15-16, and Philosophy 11-12. Either of the two courses required under Plan II may be taken first, or they may be taken in the same year. Work under either plan must be begun not later than the sophomore year and be completed by the end of the junior year.

IV

AN ABILITY TO ENJOY AND UNDERSTAND THE CREATIVE ARTS AND A KNOWLEDGE OF THE WORLD'S ARTISTIC MASTERPIECES

One course is to be selected from Art 23-24, English Literature 21-22, Music 13-14, Music 21-22, or from foreign language courses numbered above 21-22 with the exception of French 29-30, German 29-30, Spanish 29-30, and courses in foreign literature in translation. This requirement must be satisfied by the end of the junior year, except that a student satisfying it in a foreign language may do so in his senior year.

V

A KNOWLEDGE OF THE INTER-RELATION OF MAN AND SOCIETY, PAST AND PRESENT

The student must complete one course from each of two different departments. The first is to be elected from 11-12 courses in Anthropology, Contemporary Institutions, Economics, History, or Political Science; the second, from Education 21-22, Ancient Civilization 31-32 or 33-34, or from courses numbered 21-22 or higher in Anthropology, Economics, History, Political Science, and Psychology except Anthropology 27-28 and Economics 35-36. The two courses for this requirement may not be taken in the same year. The requirement must be satisfied by the end of the junior year.

VI

AN UNDERSTANDING OF THE INTELLECTUAL BASES OF ETHICAL JUDGMENT

The student must complete Philosophy and Religion 21-22, 23-24, or 25-26, during any of the upper three years.

* Physics 13-14 may be substituted for 11-12.

Area of Concentration Requirement

To qualify for graduation, students must complete prescribed study in an area of concentration. The departments under which a student may develop an area of concentration are Anthropology, Art, Biology, Chemistry, Economics, English Literature, French, Geology, German, Greek, History, Latin, Mathematics, Music, Philosophy and Religion, Physics, Political Science, Psychology, and Spanish. In addition, a Biology-Chemistry concentration is possible.

Three types of concentration are possible, although not all types are offered by each department. Type A consists of five year-courses within a department; Type B, four year-courses within a department and two complementary year-courses from a related department or departments; Type C, three year-courses within a department and four complementary year-courses from a related department or departments. Under Type C at least one of the complementary courses must be above the beginning level. Within these limits each department prescribes specific requirements. These are stated, at least in general, before the course descriptions for each department (see the following chapter). Further information can be secured from each department, from faculty advisors, and from the Dean.

A student selects his area of concentration at the end of his sophomore year. The courses planned to satisfy the concentration requirement must be approved by the department at that time, and all subsequent elections of courses within the area of concentration require the approval of the department under which the student is concentrating. Students may change areas of concentration only with the approval of the departments concerned and the Dean. Each student is required to take at least one course during his senior year in the department under which he is concentrating.

Grade Requirement

To qualify for graduation, students must have obtained a grade of 70 or higher in at least one-half of all the work completed at Hamilton.

All courses are marked each semester. All grades are based on a scale of 100. A grade of 90 or above is reported as A; 80-89, B; 70-79, C; 60-69, D; 40-59, F; and below 40, FF. The passing mark is

60. In 11-12 and 13-14 courses in French, German, and Spanish the grade for the first semester is a tentative grade, and the grade at the end of the second semester becomes the grade for the year. With departmental approval a passing grade in English Composition 12 may remove a failure in English Composition 11. With these exceptions, all final semester grades are permanently recorded and may not be altered.

Residence Requirement

To earn a degree from Hamilton a student must be in residence for at least two years (a minimum of 64 hours of credit) and must spend his final semester in residence.

Physical Education and Attendance Requirements

To qualify for graduation a student must have completed six semesters of work in Physical Education and must satisfy the requirements for attendance at Sunday chapel and week-day assembly.

Freshmen, sophomores, and juniors are required to attend public worship each Sunday evening in the Chapel. However, students who for reasons of personal conscience desire to attend services other than those at the College may secure permission to do so. For seniors with clear attendance records, attendance at the chapel service is voluntary. To qualify for graduation a senior must have removed all previous delinquencies in Physical Education and chapel attendance.

FRESHMAN PROGRAM

It is usually best for freshmen to continue in college a language studied in secondary school. Those who do so will be given a placement test in that language during their induction period and will be assigned to the proper course by the department concerned.

A freshman who takes an elementary modern foreign language course must continue that language in his sophomore year.

An exceptionally well prepared freshman with a distinguished record in scholarship may be permitted by the Academic Council to elect advanced courses not included in the electives listed below.

Required Courses

	Hours
English Composition 11-12	3
or	
English Composition 13-14	6
Foreign language	3
Guided electives—two courses chosen from science, social studies, mathematics, music, or philosophy	6-7
Elective (none if English Composition 13-14 is taken)	3-4
Public Speaking 11-12	1
Physical Education	
Total Number of Hours Each Semester	16-18†

Elective Courses

Ancient Civil. 11-12	Geology 11-12	Mathematics 15-16
Anthropology 11-12	German 11-12	Music 11-12
Art 11-12‡	German 13-14	Music 13-14‡
Biology 11-12	German 21-22	Philosophy 11-12
Chemistry 11-12	Greek 11-12	Physical Science 11-12
Contemporary Institutions 11-12	Greek 21-22	Physics 11-12
Economics 11-12	History 11-12	Pol. Science 11-12
French 11-12	Latin 11-12	Spanish 11-12
French 13-14	Latin 21-22	Spanish 13-14
French 21-22	Mathematics 11-12	Spanish 21-22
	Mathematics 13-14	

Certain of these courses, particularly those in foreign languages, have prerequisites. See the individual course descriptions to be found in the following chapter.

† In addition, approved freshmen may elect Choir one hour each term.

‡ This course requires the approval of the instructor.

SOPHOMORE and UPPERCLASS PROGRAM

Each student elects courses for his sophomore, junior, and senior years so that he will satisfy the six requirements for basic liberal arts education (pages 54-55) and the concentration requirement (page 56). In addition, he chooses free electives, usually about one-third of his total program, to complete the total number of hours required for graduation.

Cooperative Engineering Program

A student interested in the cooperative program in engineering (see page 50) follows a program of studies which will (1) complete the six basic liberal arts requirements, (2) complete the total hours requirement of three years at Hamilton, and (3) satisfy the engineering school's requirements. The concentration requirement is completed at the engineering school. While the three cooperating schools—Columbia, M.I.T., and R.P.I. have slightly different requirements for admission, their basic patterns are similar. In addition to the Hamilton requirements, they look for certain courses in chemistry, physics, and mathematics. A Hamilton faculty member, liasion officer with the engineering schools, reviews the programs of pre-engineering students.

Junior Year Abroad

Qualified students may, with the approval of the Faculty, spend the junior year studying in a foreign country and receive full credit toward a Hamilton degree. Those who are interested should consult the Dean during the first term of the sophomore year.

ACADEMIC REGULATIONS

Electives

Courses for the next year are chosen at the end of the freshman, sophomore, and junior years. Elective cards must be left at the Dean's Office by a designated date in May. A fee of two dollars, increased by one dollar for each day of delay, will be charged for tardy election of courses.

A student may change his choice of courses only by permission

of the Academic Council and must pay a fee of two dollars. Only exceptionally is a change permitted after the first week of a semester.

Most courses are continuous through the year and must be elected accordingly.

After the freshman year, a student may take any elective course offered to his own or a lower class if he has satisfied its prerequisites.

A student who elects an elementary course in a modern foreign language after the freshman year is expected to continue the second course in that language. Exceptions are made only with the written consent of the head of the department concerned. No credit will be given for the first semester alone of any elementary language course.

Elective courses must be so chosen that the student will be making continuous progress toward the satisfaction of the requirements for graduation. A student who after admission decides not to remain in college until graduation is not excused from compliance with this rule. The choice of courses must conform to regulations. Postponement of any requirement is granted only exceptionally.

Deviations from the course programs outlined above may be permitted when an individual student can demonstrate that his interests and abilities will be better served thereby. In particular, a student who satisfies the Board of Review that he has by other means fulfilled any of these requirements may be permitted by action of the Academic Council to elect subjects other than those listed.

Summer School Credits

To insure proper supervision and validation a student who desires to receive credit for work done in a summer school should submit his program in advance for approval by the appropriate departmental officer and the Academic Council. Only summer session courses which are passed with a grade at least one level higher than the lowest passing level are entitled to transfer credit.

Degrees

All students receive at graduation the degree of Bachelor of Arts. Degrees, both honorary and in course, are conferred only upon those who are present to receive them. Opportunities for graduate study in candidacy for the master's degree are offered only to those who are officially connected with the College during the period of such study.

COURSE NUMBERING

FOR EACH COURSE, the numbering indicates its level, the semester in which it is offered and whether it is a semester or year course.

Normally, courses numbered 11-19 are taken by freshmen; 21-29, by sophomores; 31 and above, by juniors and seniors.

Odd-numbered courses are offered in the first semester; even-numbered courses, in the second.

A single number preceding a course description (e. g., 25) indicates that the course may be elected for a single semester. Two numbers separated by a hyphen (e. g., 25-26) indicate that the course must normally be elected for the year.

All courses carry three hours of credit each semester unless otherwise indicated.

ANTHROPOLOGY

MR. COUNT

A concentration in Anthropology may be obtained according to one of the following plans:

Type A Five courses in the department.

Type B Four courses in the department and two of the following: Art 23-24, History 11-12, Psychology 21-22.

Type C (1) Anthropology 11-12, 21-22, any other course in the department, and four complementary courses from at least three of the following departmental groups: Art 23-24, History 11-12, Philosophy and Religion 21-22, 25-26, 31-32, Psychology 21-22, 33-34, 35-36.

Type C (2) Anthropology 11-12, 21-22, 27-28, Biology, 11-12, 21-22, Geology 11-12, and one of the following: Biology 23-31, Geology 33-34, Psychology 21-22.

11-12. ELEMENTS OF ANTHROPOLOGY. Man's biological origins; the structures of human society; the beginnings of cultural traditions. Not open to seniors.

21-22. CULTURAL GEOGRAPHY AND HISTORY. The principles of human geography; culture areas, culture patterns, "peoples." The shaping of the cultural traditions that have produced civilizations. Prerequisite, Anthropology 11-12, Contemporary Institutions 11-12, Economics 11-12, History 11-12, or Political Science 11-12. Alternates with 27-28.

23-24. INTRODUCTORY SOCIOLOGY. The social institutions of man, particularly as expressed in the United States. Such phenomena viewed also in their wider historical setting. Prerequisite, one year-course in a social studies department.

27-28. PHYSICAL ANTHROPOLOGY. The extensive treatment of human evolution; man's races; growth of the human body; constitutional types; social biology. Prerequisite, Biology, 11-12 Previous or concurrent election of Biology 21-22 strongly recommended. Alternates with 21-22. (Not offered in 1955-1956.)

31-32. THE SCIENCE OF LANGUAGE. The language families of the world; introduction to the Indo-European languages. Prerequisite, 11-12 or a recommendation from one of the language departments. Alternates with 33-34. (Not offered in 1955-1956.)

33-34. THE SCIENCE OF MYTHOLOGY. A study of the culture history of symbolisms. Special attention given to (1) the symbolisms bequeated by the ancient Near East to Occidental civilization; (2) myth-building in North America, particularly the United States. Prerequisite, 11-12 or a recommendation from the Department of Philosophy and Religion. Alternates with 31-32.

ART

MESSRS. PARKER AND COOKE

A concentration in Art may be obtained according to each of the three established patterns. For any concentration Art 11-12 and 23-24 are required. The necessary additional courses are to be elected under the careful supervision of the department.

11-12. CREATIVE PAINTING AND DRAWING. Lectures and demonstrations of the methods and materials employed by professional artists coordinated with the individual student's work. Open to approved freshmen. Credit, three hours each semester for nine studio hours. Instructor, Mr. Cooke.

21-22. ADVANCED PAINTING AND DRAWING. Figure, landscape, and still-life painting and drawing in various media. Special projects assigned. Prerequisites, 11-12 and the instructor's consent. Credit, three hours each semester for nine studio hours. Students to supply their own materials. Instructor, Mr. Cooke.

23-24. INTRODUCTION TO THE HISTORY OF ART. A survey of the more important monuments and periods. First semester: from prehistoric times through the Middle Ages. Second semester: from the Renaissance to the present. Open to sophomores. Instructor, Mr. Parker.

31. MODERN EUROPEAN ART. The leading figures and movements in European art from the eighteenth century to the present. Prerequisite, 23-24. Constitutes a year course with 32. Instructor, Mr. Parker.

32. PRINCIPLES OF ART. Formal analysis of works of art. methodology of art criticism, and an examination of contemporary trends in empirical aesthetics. Prerequisite, 31. Constitutes a year course with 31. Instructor, Mr. Parker.

33-34. RENAISSANCE PAINTING, ARCHITECTURE, AND

SCULPTURE. First semester: the Renaissance in Italy. Second semester: the Renaissance in Northern Europe and Spain. Prerequisite, 23-24. Students strongly advised to take History 35-36 concurrently. Alternates with 35-36. Instructor, Mr. Parker.

35. FUNDAMENTALS OF ARCHITECTURE. Architectural monuments of all periods with special emphasis on structure, plans, utility, and style. Prerequisite, 23-24. Alternates with 33. Constitutes a year course with 36. (Not offered in 1955-1956.) Instructor, Mr. Parker.

36. AMERICAN ART. From Colonial times to the present. Prerequisite, 23-24. Alternates with 34. Constitutes a year course with 35. (Not offered in 1955-56.) Instructor, Mr. Parker.

BIOLOGY

MESSRS. HESS, ROGERS, AND GEROLD

A concentration in Biology may be obtained according to one of the following plans:

Type B Biology 11-12, 21-22, 23-24, and 31-32 or 31-34, Chemistry 11-12, and Physics 11-12.

Type C Biology 11-12, 21-22, and 23-24 or 31-32 or 31-34, Chemistry 11-12, 31-32, Physics 11-12 or 13-14, and Chemistry 21-22 or Physics 21-22.

A Biology-Chemistry concentration consists of Biology 11-12, 21-22, and two other semester courses in Biology, Chemistry 11-12, 21-22, 31-32, and Physics 11-12 or 13-14.

All courses in Biology require two hours in the lecture room and four hours in the laboratory each week, and are reckoned as three-hour courses, except that the credit for 11-12 is four hours each semester.

11-12. GENERAL BIOLOGY. An introduction to the study of plant and animal life, with particular attention to the structure and functions of organisms. Course designed to serve both as a source of general knowledge and as a background for advanced work in the biological sciences. Laboratory work based on a study of plants

and animals selected to illustrate the functions and principles involved. Open to freshmen. Instructors, Messrs. Hess and Gerold.

21. EMBRYOLOGY. A study of the development of representative forms of the chief classes of vertebrates, with particular emphasis on the embryology of the frog, chick, and mammal. Prerequisite, 11-12. Instructors, Messrs. Rogers and Gerold.

22. ZOOLOGY OF VERTEBRATES. The discussion and comparative study of a series of vertebrates, tracing the progressive modifications of the organ system from fishes to mammals, with special emphasis on mammalian anatomy. Prerequisite, 21. Instructors, Messrs. Rogers and Gerold.

23. GENETICS. A study of heredity and variation in animals and plants, including a discussion of heredity in man. General principles of evolution considered in the light of evidence from experimental genetics. Lectures, laboratory, and reports on special assignments and problems. Prerequisite, 11-12. Instructor, Mr. Hess.

24. HISTOLOGY AND MICROSCOPICAL TECHNIQUE. A practical course in the methods of microscopical technique and a study of mammalian tissues. Prerequisite, 11-12, 21-22, or permission of the instructor. Instructor, Mr. Gerold.

31. PHYSIOLOGY. A study of the more fundamental problems of general physiology, and the functions of the organ systems of animals. Prerequisites, 21-22 and Chemistry 11-12. Instructor, Mr. Gerold.

32. EXPERIMENTAL ZOOLOGY. Readings, conferences, and laboratory work on problems of experimental zoology. Prerequisite, 21-22. Alternates with 34. Instructor, Mr. Rogers.

33. INVERTEBRATE ZOOLOGY. A study of invertebrate animals, including the structure, physiology, and ecology of representative forms. Special attention given to the more important parasitic species. Prerequisites, 21-22. Instructors, Messrs. Hess and Gerold.

34. MICROBIOLOGY. A study of microorganisms with special emphasis on bacteria molds and viruses. Special attention in the laboratory given to pure culture methods, physiological activities

of organisms, and applied microbiology. Prerequisite, 11-12 and Chemistry 11-12. Instructors, Messrs. Hess and Gerold.

CHEMISTRY

MESSRS. McKINNEY, YOURTEE, AND COOLIDGE

A concentration in Chemistry consists of Chemistry 11-12, 21-22, 31-32, 33-34, Mathematics 15-16, and Physics 11-12 or 13-14.

Undergraduates planning to do graduate study in chemistry are advised that graduate schools require further credits in mathematics, French and German.

All courses in Chemistry are reckoned as three-hour courses, except that the credit for 11-12 is four hours each semester.

11-12. ELEMENTARY COLLEGE CHEMISTRY. A study of the principles of general chemistry considered both qualitatively and quantitatively, with the purpose of associating instruction in chemistry with training in scientific thinking. Laboratory work in the second semester emphasizes qualitative analysis. Previous experience in chemistry not required, but high school preparation in either chemistry or physics is desirable. Open to freshmen. Instructors, Messrs. Yourtee and Coolidge.

21-22. ANALYTICAL CHEMISTRY. First semester: qualitative analysis. The theory and practice involved in the systematic separation and identification of the commoner cations and anions and in the analysis of unknown substances. Second semester: quantitative analysis. Classroom drill and laboratory practice in the more important typcial gravimetric and volumetric methods. Prerequisite, 11-12. Instructors, Messrs. McKinney and Coolidge.

31-32. ORGANIC CHEMISTRY. An introduction to the chemistry of the compounds of carbon. The more important groups of aliphatic and aromatic compounds; lectures and recitations, with closely coordinated laboratory work on the preparation of typical compounds. Open to juniors. Prerequisite, 11-12. Instructor, Mr. McKinney.

33-34. PHYSICAL CHEMISTRY. The theoretical background

of chemistry in general, from the viewpoints of thermodynamics and kinetics. Applications developed through the solution of problems, both in the classroom and in the laboratory. Prerequisites, 21-22, Physics 11-12 or 13-14; and Mathematics 15-16 or the instructor's consent. Instructor, Mr. Coolidge.

37-38. ADVANCED ORGANIC CHEMISTRY. A laboratory course continuing the work of 31-32, emphasizing the various types of reactions of organic chemistry. Detailed attention to experimental conditions, yields, purity of products, functional groups, and other factors necessary to organic preparations of more advanced types. Second semester: the qualitative identification of organic compounds. Conferences and laboratory work. Open to juniors. Prerequisite, 31-32. Instructor, Mr. McKinney.

CLASSICAL LANGUAGES

Greek

MR. H. S. LONG

A concentration in Greek may be obtained according to one of the following plans:

Type A Greek 11-12, 21-22, 31-32, 33-34 or 35-36, and an Independent Study Course approved by the department.

Type B Greek 11-12, 21-22, 31-32, 33-34 or 35-36 and either of the following alternatives; Latin 21-22, and 31-32 or 33-34; or any two courses in Ancient Civilization.

11-12. ELEMENTARY GREEK. Thorough grounding in grammatical forms and syntax. Written and oral exercises, leading to the translation of easy passages from Plato and Herodotus. Open to freshmen.

21-22. INTERMEDIATE GREEK. Plato's *Apology and Crito.* Selections from the lyric poets. Several books of Herodotus. Some attention given to the history of Greek literature and to prosody. Prerequisite, 11-12 or its equivalent.

31-32. GREEK DRAMA. Intensive study of one play each of Eu-

ripides, Sophocles, and Aeschylus, followed by rapid reading of other tragedies. Aristophanes similarly studied. Prerequisite, 21-22.

33-34. PROSE WRITERS. Thucydides, the orators, Polybius and Aristotle. Greek political theory and institutions. Prerequisite, 21-22 (Not offered in 1955-1956.)

35-36. POETRY. Either the *Iliad* or the *Odyssey* studied in its entirety, primarily from the literary point of view. Some attention given to the data of archaeology and the history of thought. Selections from Alexandrian poetry, especially Theocritus, or further reading of dramas according to the needs and interests of the students, Prerequisite, 31-32.

Latin

MR. MATTINGLY

A concentration in Latin may be obtained as follows: Latin 21-22, 31-32, 33-34, and four complementary courses including at least one from each of the following three groups, the fourth to be chosen from the entire list or from Greek courses above 11-12.

1. History 23-24, 35-36, 11-12 (provided 23-24 or 35-36 is taken in a subsequent year).
2. Ancient Civilization 31-32 or 33-34 (but not both), Art 23-24.
3. Anthropology 31-32, 33-34, Greek 11-12.

11-12. INTRODUCTORY COURSE IN LATIN LANGUAGE AND LITERATURE. First semester: review of forms; translation of simple prose; emphasis upon comprehension of the sentence and systematic mastery of vocabulary. Second semester: reading in such prose authors as Sallust, Pliny, Seneca; emphasis upon the student's comprehension of connected prose. Open to freshmen with high school preparation; without high school preparation, admission with consent of instructor.

21-22. READINGS IN LATIN PROSE WRITERS. First semester: continued emphasis upon comprehension and the mastery of vocabulary; attention to the reproduction in translation of different Latin prose styles as represented by such authors as Cicero, Tacitus,

Quintilian, Augustine. Second semester: continuation of the work of the preceding semester with some study of rhetorical theory and the historical background of the authors read. Prerequisite, 11-12 or superior high school preparation.

31-32. LATIN POETRY. Principally satire and epigram. Translation, study of metrical forms, reading in secondary sources. Prerequisite, the instructor's consent. Normally alternates with 33-34.

33-34. LATIN POETRY. Principally lyric, elegiac, and epic. Translation, study of metrical forms, ancient literary criticism. Prerequisite, the instructor's consent. Normally alternates with 31-32. (Not offered in 1955-1956.)

Ancient Civilization

MESSRS. MATTINGLY AND LONG

11-12. GREEK LITERATURE IN TRANSLATION. Intensive study of some of the works of Homer, Herodotus, Aeschylus, Sophocles, Euripides, Thucydides, Aristophanes, and Plato. Attention given to the history of Greek literature and to the ethical, political, and religious ideas of the Greeks. Open to freshmen and sophomores only. Instructor, Mr. Long.

21-22. GREEK HISTORICAL AND POLITICAL THOUGHT. The history of the fifth century B.C., studied chiefly from the literary sources in translation. In the second semester, the political theories of Plato, Aristotle, and others, interpreted in the light of Greek history. Particular attention is given to the correlation between political theory and political practice, and to forms of government both as abstract entities and as ideals that govern human behavior. Open to sophomores and juniors. (Not offered in 1955-56.) Instructor, Mr. Long.

31-32. PAGANISM AND THE ANCIENT WORLD ORDER. Mediterranean civilization culminating in the Roman Empire. Special attention to selected literary sources read in translation; e. g., Vergil, Lucretius, Ovid, Livy, Plutarch, Polybius, Pliny the Younger, Seneca, Lucian, Marcus, Aurelius, Augustine. Emphasis

placed largely upon literary sources, religious and cultural institutions, and ancient thought as reflecting and reflected in ancient life. Open to juniors. Alternates with 33-34. (Not offered in 1955-56.) Instructor, Mr. Mattingly.

33-34. ROMAN SOCIAL, POLITICAL, AND LEGAL INSTITUTIONS. Roman history from the regal period to the late Empire, with emphasis upon social, politicaly and legal institutions. Textbook and readings in translation. Open to juniors and to sophomores with the instructor's consent. Alternates with 31-32. (Not offered in 1955-1956.) Instructor, Mr. Mattingly.

35-36. CLASSICAL MYTHOLOGY AND AESTHETIC THEORY IN THE RENAISSANCE. A survey of changing patterns of interest in the stories of ancient gods and heroes exhibited in the fine arts in general and especially in the vernacular writings of European national cultures, read in translation. Attention to the theories of art and literature as reflecting the opinions of Aristotle, Cicero, Horace, Quintilian, etc. Primarily for majors in English and the modern foreign languages. Open to sophomores. Instructor, Mr. Mattingly.

CONTEMPORARY INSTITUTIONS

MR. GAMBS

11-12. CONTEMPORARY INSTITUTIONS. A general introduction to the sciences of society. A survey of current economic, political, and social organization throughout the world; a study of the evolution of institutions and of current social trends. Open to freshmen only. (Not offered in 1955-1956.)

ECONOMICS

MESSRS. GAMBS AND WERTIMER

A concentration in Economic consists of Economics 11-12, 37-38, 41-42, one additional course in Economics, and two complementary

courses selected from Anthropology 11-12, 23-24, Contemporary Institutions 11-12, History 31-32, 33-34, Mathematics 21-22, and Political Science 21-22, 23-24.

11-12. INTRODUCTION TO ECONOMICS. An introductory course in economics, with major emphasis on the material and psychological circumstances underlying the economic problems of modern industrial civilization, particularly in the United States. Instructors, Messrs. Gambs and Wertimer.

21-22. NATURAL RESOURCES AND INDUSTRIES. A study of natural resources and their geographical distribution, and of the technology and economics of the industries particularly dependent on them. Prerequisite, Anthropology 11-12, Contemporary Institutions 11-12, Economics 11-12, History 11-12 or Political Science 11-12. Alternates with 35-36. (Not offered in 1955-1956.) Instructor, Mr. Wertimer.

33. LABOR PROBLEMS AND SOCIAL LEGISLATION. The history, practices, and problems of labor organizations. Workmen's compensation, social security, and other labor legislation. Prerequisite, 11-12 or the instructor's consent. Instructor, Mr. Gambs.

34. BUSINESS CYCLES. A study of the principal theories designed to account for alternating periods of prosperity and depression, with emphasis on the work of J. M. Keynes and Wesley Mitchell. Prerequisite 11-12 or the instructor's consent. Instructor, Mr. Gambs.

35-36. ECONOMICS OF ACCOUNTANCY AND CORPORATION FINANCE. First semester: an elementary study of how the bookeeping records of a business firm or unit of government are usefully classified, analyzed, and interpreted. Second semester: types of business organization, the means of financing the corporation, and the problems of financial management. Open to sophomores. Alternates with 21-22. Instructor, Mr. Wertimer.

37-38. MONEY, BANKING, AND PUBLIC FINANCE. First semester: the monetary aspects of the modern economy, with special reference to the organization of banking in the United States and to the theory of money. Second semester: a study of the principles and practices involved in taxation, public-debt management,

and other financial problems of our federal and local governments. Prerequisite, 11-12. Instructor, Mr. Wertimer.

40. INTERNATIONAL ECONOMIC RELATIONS. World trade and investment; commercial policies of leading nations; the foreign exchange market agencies of the United States Government and of the United Nations to promote international trade. Special consideration of Latin-American trade relations with the United States. Prerequisite, 11-12. Alternates with 34. (Not offered in 1955-1956.) Mr. Gambs.

41-42. HISTORY OF ECONOMIC THOUGHT. The development of economic ideas from the age of mercantilism to the present day. The tracing of relationships between the development of economic, social, and political institutions and that of economic doctrines. Readings from the original writings of the principal economists of the past. Open to seniors and selected juniors who have had at least two previous courses in Economics, one of which must be 11-12 or 33-34, and who have obtained the instructor's consent. Instructor, Mr. Gambs.

EDUCATION

MR. HUNT

21-22. HISTORY OF PROBLEMS OF EDUCATION. A historical and comparative study of the major tendencies and characteristics of society in western nations as they affect education and are affected by educational ideals and the structure of educational systems, with special emphasis upon problems of education in a free society. Open to sophomores. Prerequisite, Anthropology 11-12, Contemporary Institutions 11-12, Economics 11-12, History 11-12, or Political Science 11-12.

31-32. EDUCATIONAL PSYSCHOLOGY; TESTS AND MEASUREMENTS. The psychological basis of educational theory and practice; the theory of measurements of educational ability and achievement; elementary statistical methods; practice in the administration of tests. Prerequisite, 21-22 or the instructor's consent.

The previous or concurrent election of Psychology 21-22 is recommended.

33-34. SECONDARY SCHOOL METHODS AND MATERIALS; SUPERVISED PRACTICE TEACHING. A detailed study of secondary school methods, materials, and classroom techniques, including seminar work in methods of teaching the special subjects. Second semester: observation and supervised practice at nearby high schools. Open to seniors approved by the department and by the Board of Review. Approval determined by the quality of previous work in Education and in the field in which the candidate is preparing to teach. Prerequisites, 21-22 and 31-32.

PREPARATION FOR TEACHING. Undergraduates who expect to become teachers should discuss their plans with the department as early as possible in their college career in order that they may be guided in selecting those courses that will best prepare them to meet the requirements of their prospective profession. (See page 51.)

ENGLISH

English Composition

MESSRS. NESBITT, JOHNSTON, BARRETT, LINDLEY, PARK AND PERRY

Only one course in English Composition may be taken in any one year.

11-12. FRESHMAN ENGLISH COMPOSITION. The principles of English composition and the practice of writing. Themes and conferences; readings in selected masterpieces. Instruction in writing, largely individual. Either 11-12 or 13-14 required of all freshmen. Instructors, Messrs. Nesbitt, Johnston, Barrett, Lindley Park, and Perry.

13-14. SEMINAR IN READING, WRITING, AND SPEAKING. The intensive study of selections from such classics of literature and philosophy as Homer, the Bible, Shakespeare, Milton, Plato, and Mill. Writing and group discussion based on this read-

ing. Sections limited to twelve freshmen each. Course may be substituted for English Composition 11-12 and one elective. Credit twelve semester hours. Instructors, Messrs. Johnston, Barrett, and Perry.

21-22. ADVANCED ENGLISH COMPOSITION. The study and practice of the various forms of writing. Reading and analysis of selected novels and periodical essays. Prerequisite, a grade of at least B in 12 or 14 or 32. Not open to students who have had 33-34. Limited to fifteen. (Not offered in 1955-1956.) Instructor, Mr. Marsh.

31-32. EXPOSITORY WRITING. The theory of exposition; constant practice in writing clear and logical expository prose. Study of selected specimens of exposition. Prerequisite, 11-12 or 13-14. Open to juniors who have not had 21-22 or 33-34. Limited to two sections of fifteen. Instructors, Messrs. Nesbitt, Johnston and Lindley.

33-34. FICTION AND POETRY. Study and practice of literary composition. Stories, plays, and poems by members of the class to be submitted at regular intervals and criticized by the whole group and the instructor. Recent poetry, short stories, and novellas assigned for close analysis. Open to juniors. Limited to fifteen. Offered in alternate years. (Not offered in 1955-1956.) Instructor, Mr. Barrett.

English Literature

MESSRS. RUDD, NESBITT, JOHNSTON, BARRETT, LINDLEY, PARK AND PERRY

The normal concentration is four courses in English Literature supplemented by two courses in any one of the following three groups:

1. English Composition (excluding English Composition 11-12, but 13-14 may count as a year course); History 23-24.
2. Any ancient language above 11-12; any modern language above 13-14.
3. On specific departmental approval, courses from other departments of study above the elementary level.

The department will accept three courses in English Literature

as satisfying the concentration requirement if supplemented by two courses in each of two of the three groups listed above; or five courses in English Literature will constitute a concentration without supplementary courses.

21-22. GENERAL INTRODUCTION TO ENGLISH LITERATURE. A rapid survey of English literary history from the beginnings, accompanied by classroom study of the greater English poets, especially Chaucer, Shakespeare, Milton, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning. Lectures and recitations. Prerequisite, English Composition 11-12 or 13-14. Instructors, Messrs. Rudd, Nesbitt, Barrett, Lindley and Perry.

31-32. AMERICAN LITERATURE. A study of some of the principal American literary figures since 1830. First semester: Emerson, Hawthorne, Poe, Thoreau, Whitman, Melville. Second semester: Emily Dickinson, Mark Twain, Henry James, Frost, Eliot, Faulkner, Hemingway. Term essays required. Prerequisite, 21-22. Instructors, Messrs. Barrett and Park.

33-34. SEVENTEENTH CENTURY LITERATURE. The later Elizabethan drama; the seventeenth century lyric, with special emphasis on Donne and the metaphysical poets; Bacon, Burton, and Browne; the poetry of Milton. The Restoration period; John Dryden; the dramatists, diarists, and memoir writers. Prerequisite, 21-22. Instructor, Mr. Rudd.

35-36. EIGHTEENTH CENTURY LITERATURE. The Augustan writers of the Age of Pope, with special attention to the development of modern prose style, the rise of the periodical essay, the pamphlet, and the polite epistle. The eighteenth century novel. Dr. Samuel Johnson. The beginnings of Romanticism, as seen especially in the poetry of the century. Prerequisite, 21-22. Instructor, Mr. Johnston.

37-38. NINETEENTH CENTURY LITERATURE. The growth of Romanticism in England, and its influence on imaginative literature and criticism between 1798 and 1832; the thought and literary art of the Victorians, particularly Carlyle, Mill, Browning, and Arnold. The development of the periodical and of the novel, with outside readings in Jane Austen, Scott, Dickens, Thack-

eray, George Eliot, and other novelists as time permits. Term essays required. Prerequisite, 21-22. Instructor, Mr. Nesbitt.

41-42. ANGLO-SAXON; MIDDLE ENGLISH. First semester: an introduction to the language and literature of England before the Norman Conquest. Study based on an Anglo-Saxon reader, accompanied by lectures on the history, structure, and vocabulary of the English language. Second semester: Chaucer, his century, and his contemporaries. Reading of *The Canterbury Tales, Troilus and Criseyde,* and some minor poems. Open to juniors. Offered in alternate years. Instructor, Mr. Lindley.

43-44. SHAKESPEARE AND THE ELIZABETHAN DRAMA. Reading of all Shakespeare's plays, with critical study of certain dramas representative of the different stages in the development of his art. Lectures on the history of the drama from the beginnings to Shakespeare; collateral reading in the minor Elizabethan playwrights. Library topical work and practice in handling original sources. Term essays required. Open to seniors who have completed with a grade of B at least one year-course in this department. Instructor, Mr. Rudd.

FRENCH. See Romance Languages, pages 95-97.

GEOLOGY

MESSRS. HAWLEY AND POTTER

A concentration in Geology may be obtained according to one of the following plans:

Type B Geology 11-12, 23-24, 25-26, 36 and 31-32 or 33-34; and two complementary courses selected from Biology 11-12, Chemistry 11-12, Mathematics 15-16, and Physics 11-12 or 13-14.

Type C Geology 11-12, 25-26, 36, and 23-24 or 31-32 or 33-34; and four complementary courses in one of the following combinations:

1. Chemistry 11-12, Physics 11-12 or 13-14, Mathematics 15-16, and one course selected from Chemistry 21-22, Mathematics 25-26, and Physics 33-34.

2. Biology 11-12, 23-24, Chemistry 11-12, and Mathematics 15-16.

11-12. GENERAL GEOLOGY. An introductory course, including studies of the various geological agencies and processes responsible for the past and present surface features of the earth, the general composition and structure of the earth's crust, and the geological history of the earth. Lectures, recitations, laboratory, and field work. Open to freshmen. Credit, four hours each semester.

21. PHYSICAL GEOGRAPHY. Space and distance relations on the earth, cartography, elements of meteorology and climatology, land forms, soil types, principal mineral deposits, and water supplies. Open to sophomores.

22. REGIONAL GEOLOGY AND GEOMORPHOLOGY. A descriptive study of the regional structure and surface form of the United States. Eastern and western states considered in alternate years. The eastern states to be studied in 1954. Prerequisites, 11 or 21.

23. STRUCTURAL GEOLOGY. A study of the primary structures of sedimentary and igneous rocks and the principles of deformation and geotectonics. Methods of determination of structures in the field; interpretation and construction of topographic and geological maps. Prerequisite, 11-12.

24. ECONOMIC GEOLOGY. An introduction to mining and petroleum geology. Emphasis on the genesis, geology, and geographic occurrence of the metals and mineral fuels, and treatment of the geological and geophysical methods of discovery. Prerequisites, 23 and previous or concurrent election of 25-26.

25-26. MINERALOGY—OPTICAL MINERALOGY. First semester: introduction to crystallography, elementary crystal chemistry, and atomic structure of minerals; study of mineral occurrences; identification of minerals by physical and chemical tests. Second semester: theory and techniques of mineral study using the polarizing microscope; study of mineral occurrences; identification of minerals by optical, physical, and chemical tests. Lectures, laboratory and field trips. Prerequisite, 11-12. Previous or concurrent election of Chemistry 11-12 is recommended. Alternates with Geology 31-32.

31-32. PETROLOGY. Study of the origin of the occurrence, structure, texture and mineralogy of igneous, sedimentary and metamorphic rocks. Lectures, laboratory hand specimen and microscopic study, field exercises. Prerequisite, 25-26. Alternates with Geology 25-26.

33-34. ADVANCED HISTORICAL GEOLOGY. First semester: invertebrate paleontology; the beginning and development of the primitive earth; the Pre-Cambrian and early Paleozoic eras. Second semester: the later Paleozoic, Mesozoic, and Cenozoic eras. Lectures, laboratory, and field reports. Prerequisites, 11-12. Alternates with 31-32.

36. SEMINAR. Study and group discussion of current and classical geological literature to focus attention on major problems related to the history, structure, and composition of the earth. One hour credit. Prerequisite, 11-12 and one advanced course in the department, or by special permission. Required of Geology majors.

GERMAN

MESSRS. LIEDKE AND BROWNING

A concentration in German may be obtained according to one of the following plans:

Type A German 13-14, 21-22, and three courses in German above 21-22.

Type B German 13-14, 21-22, two courses in German above 21-22, and two complementary courses chosen from Groups 1 and 2, with at least one from Group 2.

1. Another modern language 13-14, Greek or Latin 11-12, Art 23-24, English Literature 21-22, Music 21-22, and Philosophy 21-22.
2. Another modern language above 13-14, Greek or Latin above 11-12, History 35-36, English Literature 33-34, 35-36, 37-38, 41-42, 43-44, Philosophy and Religion 33-34, 41-42, and Anthropolgy 31-32.

In all courses there is constant emphasis upon conversational, oral, and written drills as a necessary basis for the attainment of a fluent reading knowledge of the language.

11-12. ELEMENTARY GERMAN.* Thorough grounding in pronunciation, grammatical forms, and syntax in coordination with the reading and discussion in German of easy texts. Open to freshmen. Freshmen granted credit for 11-12 only upon completion of German 13-14. Others granted credit for German 11-12 without completing German 13-14 only upon recommendation by the head of the department. Five hours a week throughout the year. Credit, three hours each semester. Instructors, Messrs. Liedke and Browning.

13-14. INTERMEDIATE GERMAN.* Review of grammar and syntax; oral and written drill on vocabulary and idoms; reading and discussion in German of narrative prose texts. Prerequisite, 11-12 or a minimum of two units of entrance German. Required of sophomores who have taken 11-12. Instructor, Mr. Browning.

21-22. INTRODUCTION TO GERMAN LITERATURE. The reading and study of German prose and verse of the nineteenth and twentieth centuries; outside reading and written reports. Conducted principally in German. Prerequisite, 13-14. Instructor, Mr. Liedke.

29-30. COMPOSITION AND ORAL PRACTICE. This course offers practice in speaking and comprehending German on a conversational level and also aims at increasing the student's facility in expressing himself in writing. Prerequisite, instructor's consent. Alternates with 31-32. (Not offered in 1955-1956.) Instructor, Mr. Browning.

31-32. MODERN GERMAN POETRY AND PROSE. Special emphasis on poetry. Text exegesis, oral and written reports, and essays; outside reading in prose and verse. Prerequisite, 21-22. Alternates with 29-30. Instructor, Mr. Browning.

33-34. GERMAN DRAMA. Brief introductory survey of the history of German drama; critical study and interpretation, and con-

* Credit is not given for the first semester alone of any elementary language course. German 11-12 and 13-14 are marked as year courses. The tentative grade assigned for 11 or 13 may be raised or lowered in accordance with the student's performance in 12 or 14.

versational discussion in German, of the dramas of Lessing, Goethe Schiller, and representative nineteenth century and contemporary dramatists; written reports and essays. Prerequisite, 21-22 or 31-32 or a grade of B in 13-14. Alternates with 35-36. (Not offered in 1955-1956.) Instructor, Mr. Liedke.

35-36. THE WORKS OF GOETHE. Critical study and interpretation of a selection of Goethe's works. Major attention paid to the study of *Faust*. Outside reading and essays required. Conducted entirely in German. Prerequisite, 21-22. Alternates with 33-34. Instructor, Mr. Liedke.

GREEK. See Classical Languages, pages 67-69.

HISTORY

MESSRS. GRAVES, ELLIS, AND STARNES

A concentration in History may be obtained according to each of the three established patterns. The departmental and complementary courses for the concentration are to be carefully selected under departmental guidance.

11-12. THE HISTORICAL BACKGROUND OF MODERN SOCIETY. An introduction to the historical development during the past four centuries of significant political, economic, and social forces which are moulding modern European and American society. Open to freshmen. Instructors, Messrs. Graves, Ellis, and Starnes.

21-22. HISTORY OF THE UNITED STATES. A survey of the development of the American nation from Colonial beginnings to the present. Open to sophomores. Prerequisite, 11-12 (or Political Science 11-12) or the instructor's consent. Instructor, Mr. Ellis.

23-24. ENGLAND AND THE BRITISH EMPIRE. A historical study of the development of British institutions and their spread to other parts of the world, with particular attention to economic and social changes in Great Britain and in the British Commonwealth and Empire. Prerequisite, 11-12. Instructor, Mr. Graves.

31-32. ECONOMIC AND SOCIAL HISTORY OF THE UNITED STATES. A study of agricultural, commercial, and industrial history and institutions, of transportation, and of the in-

fluence of government on economic activities. Social institutions and intellectual currents also examined. Open to juniors. Prerequisite, 21-22. Alternates with 33-34. (Not offered in 1955-1956.) Instructor, Mr. Ellis.

33-34. TWENTIETH CENTURY AMERICA. The adaptation of American democracy to the machine age and urban life; the New Nationalism, the New Freedom, and the New Deal; American entry into the two World Wars. Prerequisite, 21-22. Alternates with 31-32. Instructor, Mr. Ellis.

35-36. EUROPEAN CIVILIZATION FROM THE ELEVENTH TO THE SEVENTEENTH CENTURY. First semester: the society and culture of the later Middle Ages. Second semester: the society and culture of the period usually designated Renaissance and Reformation. Open to juniors. Prerequisite, any two courses in History. Instructor, Mr. Graves.

39-40. HISTORY OF RUSSIA. A survey of the development of Russia from its beginning to the present. Open to juniors. Prerequisite, 11-12. Instructor, Mr. Starnes.

41-42. TOPICS AND PROBLEMS IN THE HISTORY OF EUROPE, 1890-1950. Studied largely from the documentary sources. Open to juniors. Prerequisite, any two courses in History. Instructor, Mr. Starnes.

INDEPENDENT STUDY for SENIORS

This is a program for selected seniors who wish to carry on independent study at an advanced level. This program emphasizes the development of the student's skill in scholarly research, communication, and independent work. Students will be expected, in lieu of a regular course, to work steadily on some project which will provide a measurable test of achievement. Projects will be supervised by a faculty committee and an instructor in the field in which the independent study is carried on. Petition for admission to this program will be submitted to the Dean's Office by May 1. As a prerequisite, the student must have at least a B average during the junior year and the approval of both the Faculty Committee and the supervising instructor.

LATIN. See Classical Languages, pages 67-69.

MATHEMATICS

MESSRS. GERE, VAN ALSTYNE, AND OGILVY

A concentration in Mathematics may be obtained according to one of the following plans:

Type A Three combinations are possible:

1. Mathematics 15-16, 25-26, 31-32, 33-34 and 37-38 or 39-40.
2. Mathematics 13-14, 15-16, 25-26, 31-32, and 33-34 or 37-38; Physics 11-12 or 13-14.
3. Mathematics 15-16, 21-22, 25-26, 31-32, 33-34 or 37-38; Physics 11-12 or 13-14 or one course in Economics other than 11-12 or 35-36. (Mathematics 21-22 must be taken prior to enrollment in 31-32, 33-34, or 37-38.)

Type B Mathematics 15-16, 25-26, 31-32, and 33-34 or 37-38; Physics 11-12 or 13-14; and one of the following: Education 21-22, Philosophy 11-12, 41-42, one course in Economics above 21-22, Chemistry 11-12, a second course in Physics, two courses in Biology, two courses in Geology.

11-12. TERMINAL COURSE IN MATHEMATICS. A study of selected problems to provide experience in the use of mathematical methods. Application of the techniques of elementary analysis. Second semester: emphasis on geometrical concepts and postulate systems. Open to freshmen and sophomores only. Will not serve as a prerequisite for other courses in mathematics and will not count toward a major in mathematics. Instructor, Mr. Gere.

13-14. ALGEBRA; PLANE TRIGONOMETRY. First semester: introductory review, quadratic functions, graphs, theory of equations, permutations and combinations, probability, determinants, partial fractions, complex numbers. Second semester: theory and use of logarithms, definitions and relations of the trigonometric functions of acute angles and of angles in general, the solution of right and oblique triangles, drill in computation. Prerequisite, three units of entrance credit in mathematics. Instructor, Mr. Gere.

15-16. ANALYTIC GEOMETRY; CALCULUS. Topics from

plane analytic geometry, including the straight line, circle, conics, and polar coordinates, and an introduction to the differential and integral calculus, with applications to algebra, geometry, and mechanics. Prerequisite, 13-14 or at least three and one-half units of entrance credit in mathematics, including plane trigonometry. Instructors, Messrs. van Alstyne and Ogilvy.

21. MATHEMATICS OF FINANCE. Application of mathematical methods and principles to problems of investment and finance. Open to sophomores. Prerequisite, 13 or its equivalent. Alternates with Economics 35. (Not offered in 1955-1956.) Instructor, Mr. Ogilvy.

22. STATISTICS. An introductory course in statistical theory, including such topics as tabulation, graphic presentation, calculation of averages and measures of dispersion, uses of the normal curve, correlation. Applications drawn from the fields of education, economics, and the experimental sciences. Open to freshmen with the consent of the department and to sophomores. Prerequisite, 13 or its equivalent. Alternates with Economics 36. (Not offered in 1955-1956.) Instructor, Mr. Ogilvy.

25-26. CALCULUS; ANALYTIC GEOMETRY. Further study of the differential and integral calculus and of analytic geometry, including analytic geometry of three dimensions. Applications. Prerequisite, 15-16. Instructors, Messrs. van Alstyne and Ogilvy.

31-32. DIFFERENTIAL EQUATIONS; ADVANCED CALCULUS. First semester: the solution of simpler types of ordinary differential equations, with applications. Second semester: topics selected from the calculus, including partial differentiation, implicit functions, line integrals, Green's and Stokes' theorems, elliptic integrals, introduction to partial differential equations, series expansions. Prerequisite, 25-26. Instructor, Mr. Ogilvy.

33-34. PROJECTIVE GEOMETRY; INTRODUCTION TO MODERN ALGEBRA. First semester: elementary synthetic projective geometry, involving first and second degree forms, constructions, and an introduction to postulate theory. Second semester: algebraic operations, groups, rings, fields, integral domains, polynominals, matrices, and determinants. Prerequisite, 25-26. Instructor, Mr. van Alstyne.

37-38. FUNDAMENTAL TOPICS IN GEOMETRY AND ANALYSIS. First semester: vector analysis and an introduction to tensor analysis with geometrical and physical applications. Second semester: gamma and Bessel functions, Fourier series, complex-valued functions, numerical methods of analysis, and applications of these topics. Prerequisite, 31-32. Instructor, Mr. Gere.

39-40. SEMINAR. Topics selected from the various fields of mathematics according to the individual needs of those electing the course. Prerequisite, 31-32, previous or concurrent election of 33-34, and approval of the department. Instructor, Mr. van Alstyne.

MUSIC

MESSRS. SHUTE, BALDWIN, AND BENNETT

A concentration in Music may be obtained according to one of the following plans:

Type A Music 13-14, 21-22, 23-24, 31-32, 33-34.

Type B Music 13-14, 21-22, 23-24, 33-34, and two courses selected from Art 23-24, English Literature 37-38, History 11-12, Philosophy and Religion 21-22, Physics 11-12 or 13-14, and Psychology 21-22.

11-12. INTRODUCTION TO MUSIC. A general course in understanding music. The study of musical terms, forms, styles, important compositions and composers, wtih some discussion of aesthetic problems as they arise. Also studies in notation, sight-singing, and ear-training. No previous knowledge of music necessary. Open to freshmen. Instructors, Messrs. Shute and Bennett.

13-14. THE FUNDAMENTALS OF MUSIC. Elementary harmony, form, and instrumentation studied from the scores of Haydn, Mozart, Beethoven, and Schubert. Ability to read music and some musical background required. Prerequisite, 11-12 or the instuctor's consent. Open to freshmen. Instructors, Messrs. Shute and Bennett.

21-22. THE HISTORY OF MUSIC. A study of composers and their works, the evolution of forms and styles, and the relation of

all these to the cultures that produced them from ancient Greek times to the present. Prerequisite, 11-12 or 13-14. Instructors, Messrs. Shute and Bennett.

23-24. ADVANCED HARMONY. The study of seventh chords and chromatic harmony. Composition in the small forms. Prerequisite, 13-14. Instructor, Mr. Baldwin.

31-32. COUNTERPOINT. A study of sixteenth century methods and the application of polyphonic procedures to composition. Prerequisite, 23-24. Instructor, Mr. Baldwin.

33-34. SEMINAR IN ADVANCED STUDIES. Individual projects in advanced composition or musicology. Prerequisites, 21-22, 23-24, and, for advanced composition, 31-32. Credit for either composition or musicology, six semester hours or, with departmental approval, twelve semester hours. Instructors, Messrs. Bennett, Shute and Baldwin.

CHOIR. Those taking this course constitute the Hamilton College Choir, which devotes its time to the singing, largely *a cappella*, of church music. Selections are made from the works of such great composers as Palestrina, Bach, Haydn, Byrd, Handel, and Mendelssohn, from the liturgy of the Russian Church, from Negro spirituals, and from works by composers of the modern schools. Membership in the Choir is open, with the approval of the instructor, to all undergraduates in regular standing. The basis of approval is ability to sing. Rehearsals are held three hours a week throughout the year; choir membership carries one credit hour each semester. The director is Mr. Baldwin.

INDIVIDUAL INSTRUCTION. For those desiring individual instruction in instrumental or vocal music, excellent teachers are available. A practice room is maintained by the College, which may be rented for one hour daily at fifteen dollars for the college year.

There are also available for student use a large collection of phonograph records and a comprehensive section in the College Library devoted to music and musicians.

TEACHER'S CERTIFICATE. The courses in music offered at Hamilton College only partially cover the subjects required by the State of New York for a music teacher's certificate. If a student is

technically proficient on some instrument it is usually necessary to spend only one additional year at one of the institutions which prepare students for this certificate. Interested students should confer with Mr. Shute.

PHILOSOPHY AND RELIGION

MESSRS. BLYTH, HAYNER, MILLER, AND NIELSEN

A concentration in Philosophy and Religion may be obtained according to each of the established patterns. For any concentration, Philosophy 11-12, 21-22, and 41-42 (to be taken in senior year) are required. The departmental and complementary courses to complete the concentration are to be selected under careful departmental supervision.

11-12. AN ANALYSIS OF THE NATURE AND STRUCTURE OF THE REASONING PROCESS. A study of the factors involved in both valid and invalid reasoning as found in formal, empirical and normative fields of thought. Open to freshmen, not open to seniors. Instructors, Messrs. Blyth and Hayner.

21-22. THE HISTORY OF PHILOSOPHY. A study of the philosophical classics of western civilization. Consideration of the most important contributions of outstanding thinkers from early Greek times to the present. Open to sophomores. Instructors, Messrs. Blyth, Hayner, and Nielsen.

23-24. PROBLEMS OF ETHICS. First semester: the field of ethics; ethical theories and the basic ideas involved in moral judgments. Second semester: the contributions of outstanding modern thinkers to the ethical aspects of personal, social, and political behavior. Open to sophomores. Instructor, Mr. Nielsen.

25-26. INTRODUCTION TO BIBLICAL THOUGHT. An investigation of the Biblical material in an attempt to uncover the meaning and relevance of its distinctive categories. Attention also given to the renewed emphasis on the Bible in such periods as the early Middle Ages, the Reformation, and modern times. Open to sophomores. Instructor, Mr. Miller.

31-32. THE MAJOR WORLD RELIGIONS. The religious systems of Hinduism, Buddhism, Confucianism, Taoism, Zoroastrianism, Shinto, Islam, Judaism and Christianity, considered with respect to the assumptions underlying their doctrines and the philosophical implications involved. Prerequisite, 21-22. Instructor, Mr. Hayner.

33-34. MODERN PHILOSOPHY. A study of the development of modern philosophy and the contributions of outstanding contemporary thinkers. Prerequisite, 21-22. Instructor, Mr. Nielsen.

41-42. SEMINAR IN PHILOSOPHY. A systematic analysis of some significant problems in philosophy or religion. Open to seniors. Prerequisites, 21-22 and either one other course in the department or the instructor's consent. Instructor, Mr. Blyth.

PHYSICAL EDUCATION

MESSRS. WEBER, JONES, BATT, PATRICK, E. M. LONG, AND HUNTER

During their first three years in residence, all students participate in the individual development program in physical education. This program is based on the theory that it is as important to develop a good physique and a love of sport in the average man as it is to provide scope for the brilliant athlete.

All students are tested at the beginning of their college course to discover their individual needs. Four tests are given to men who qualify in the medical examination: (1) physical fitness, (2) swimming, (3) skill in one outdoor carry-over sport, (4) skill in one indoor carry-over sport. The type of program pursued by each student is determined by his performance in these tests.

Men in whom the medical examiner discloses organic defects or functional disabilities enter an individual program approved by the college physician.

Facilities and instruction are provided for the following sports: badminton, baseball, basketball, boxing, football, golf, handball, soccer, speedball, hockey, skating, skiing, squash, swimming, tennis, touch football, track, volleyball, and wrestling.

PHYSICAL SCIENCE

11-12. PHYSICAL SCIENCE. An introductory study of a limited number of topics in physical science selected from astronomy, physics, and chemistry. Particular attention given to the manner in which significant problems have been analyzed, as a means of demonstrating the methods of science. Three lectures and one three-hour laboratory period each week. Open to freshmen and sophomores only; limited to twenty students. Credit, four hours each semester. (Not offered in 1955-1956.) Instructor, Mr. Yourtee.

PHYSICS

MESSRS. CAMERON AND ERICKSON

A concentration in Physics may be obtained according to one of the following plans:

Type B Physics 13-14, 21-22, 31-32, and 33-34 or 35-36; and Mathematics 15-16, 25-26, 31-32.

Type C Physics 13-14, 21-22, and 31-32 or 33-34; and Mathematics 15-16, 25-26; and Chemistry 11-12, and 21-22 or 31-32.

11-12. GENERAL PHYSICS. For premedical students and others who will take only one year of physics. Selected topics from classical and modern physics, emphasizing concepts and principles rather than applications. Open to freshmen. Instructor, Mr. Erickson.

13-14. GENERAL PHYSICS. For students planning to major in physics and for all pre-engineering students. Fundamental principles of mechanics, heat, sound, electricity and light. Prerequisite, plane trigonometry. Not open to students who have had 11-12. Instructor, Mr. Cameron.

21-22. ATOMIC AND NUCLEAR PHYSICS. Modern developments in the concepts of matter and radiation. Atomic structure, sub-atomic particles, natural and artificial radioactivity, nuclear energy and related topics. Prerequisites, 13-14 or 11-12 and Mathematics 15-16. Instructor, Mr. Cameron.

31-32. MECHANICS. The statics and dynamics of particles and systems of particles, with applications to periodic motion, fluid dy-

namics and wave motion. Calculus and vector methods used throughout with strong emphasis on problem work. Prerequisites, 13-14 and Mathematics 25-26. Instructor, Mr. Erickson.

33-34. OPTICS. Introduction to the geometrical optics of mirror and lens systems followed by a study of the phenomena of light considered as a wave motion—interference, diffraction, polarization, etc. Prerequisites, 13-14 and Mathematics 25-26. (Not offered in 1955-1956.) Instructor, Mr. Cameron.

35-36. ELECTRICITY AND MAGNETISM. Direct and alternating current principles and circuits, electrostatics, electromagnetism and an introduction to electronics. Prerequisites, 13-14, 21-22 and Mathematics 25-26. Instructor, Mr. Cameron.

POLITICAL SCIENCE

MESSRS. ROCKWELL, NIXON, AND RICHARDSON

A concentration in Political Science may be obtained according to each of the three established patterns. The departmental and complementary courses for the concentration are to be carefully selected under departmental guidance.

11-12. CONTEMPORARY SYSTEMS OF GOVERNMENT. An introduction to the process of government. Foundations of politics: the cultural, philosophic, psychological, and economic context within which government operates; the nature of political institutions and group action; types of government. A comparative analysis of democracy and dictatorship. Three types of modern democracy (the American, British, and French), and two types of modern dictatorship (the Soviet and Fascist) examined comparatively, with primary emphasis on the United States, Britain, and the USSR. Open to freshmen. Not open to seniors. Instructors, Messrs. Rockwell and Nixon.

21-22. INTERNATIONAL RELATIONS. A survey course in international politics. First semester: the nature and growth of the Western state system, the United Nations and basic factors in world

politics: geographic, demographic, economic; war, nationalism, imperialism and diplomacy. Second semester: current issues of world politics, studied on a regional basis. Prerequisite, 11-12, Contemporary Institutions 11-12, Economics 11-12, or History 11-12. Instructor, Mr. Richardson.

23-24. POLITICAL PARTIES, PRESSURE GROUPS, AND THE PUBLIC. The organization and techniques of political parties and pressure groups; their relation to important religious, economic, and other groups which wield political power. A part of one term will be spent on a study of the student's home community. Prerequisite, 11-12, Anthropology 11-12 or 23-24, Contemporary Institutions 11-12, Economics, 11-12, or Psychology 21-22. Instructor, Mr. Nixon.

31-32. AMERICAN FOREIGN POLICY. The constitutional and political basis for American foreign policy. The machinery through which it is formulated and executed: the Department of State, the Foreign Service, and Congress; political parties and pressure groups concerned with foreign policy. Analysis of the major strands of American foreign policy: non-entanglement, the Open Door, and the Monroe Doctrine; current problems such as Russia, NATO, India, "Neutralism." Prerequisite 11-12, History 11-12, Economics 11-12, 23-24, History 21-22, Psychology 21-22, or Anthropology 21-22.

33-34. AMERICAN CONSTITUTIONAL DEVELOPMENT. A historical and analytical study of the development of the Constitution, largely through judicial interpretation. The Supreme Court and public policy, with emphasis on issues of federalism, property rights, and personal rights. The political, social, and economic context of decision making; personalities and philosophies of individual justices; evolution of major features of modern constitutional law; the function of the Supreme Court. Prerequisite, 11-12, or History 21-22. Instructor, Mr. Rockwell.

35. POLITICAL THEORY. A study of the central problem of political thought: who should exercise what kind of political authority, how and why. Ideas of leading thinkers from Plato to the present. The kinds of societies in which these men lived, their as-

sumptions concerning human nature, the impact of their theories on subsequent thought, the significance of their ideas today. Prerequisite, 11-12, or Philosophy 21-22. Instructor, Mr. Rockwell.

37-38. AMERICAN POLITICAL INSTITUTIONS. An examination of American institutions through a study of the major public issues which have been shaping them in the present century, particularly the impact of industrialization and American responses to its problems. An assessment of our institutions and an appraisal of suggestions for strengthening them. Prerequisite, 11-12 and instructor's consent. Open to juniors. Instructor, Mr. Nixon.

41. ADVANCED PROBLEMS OF INTERNATIONAL POLITICS. Individual research and reports followed by group analysis of such problems of international politics as nationalism, communism, neutralism, fascism. The role of power; the impact of racism; world organization. Prerequisite, instructor's consent. Open to juniors. Enrollment limited. Alternates with 43. Instructor, Mr. Richardson.

43. THE MIDDLE EAST. A regional study of the Middle East with emphasis on strategic, economic, political, and social factors. The impact of the West upon the Arab and non-Arab world. The role of Islam and Arab nationalism. The conflict of great power interests. Presentation and discussion of case studies. Prerequisite, instructor's consent. Open to approved seniors and juniors. Enrollment limited. Alternates with 41. (Not offered in 1955-1956. Instructor, Mr. Richardson.

44. ISSUES OF POLITICS. Selected current issues, and the challenges these pose for modern democracy. Individual and group case studies aimed to integrate the student's concentration in political science. Emphasis on independent analysis, research, and informal discussion as tools for formulating rational political judgments. Prerequisite, instructor's consent. Open to approved seniors and juniors. Instructor, Mr. Rockwell.

PSYCHOLOGY

MESSRS. GODCHARLES AND LUNDIN

A concentration in Psychology may be obtained according to one

of the following plans:

Type A Five courses in the department.

Type B Psychology 21-22, 31-32, 37-38, and 33-34 or 35-36; Biology 11-12; Anthropology 11-12, or Biology 31 and Mathematics 22.

21-22. GENERAL PSYCHOLOGY. A study of the principles of human behavior: psychological development, learning, sensation and perception, motivation, emotion, personality, and intelligence. Prerequisite, Anthropology 11-12, Contemporary Institutions 11-12, Economics 11-12, History 11-12 or Political Science 11-12. Open to sophomores. Instructors, Messrs. Godcharles and Lundin.

31-32. EXPERIMENTAL PSYCHOLOGY. A series of experiments on sensation, perception, learning, emotion, motivation, and social behavior, providing an introduction to quantitative methods and elementary problems of experimental design. Two hours of lecture-discussion and one laboratory period a week throughout the year. Prerequisite, 21-22. Enrollment limited. Instructor, Mr. Godcharles.

33-34. HUMAN PERSONALITY. A study of normal and abnormal personality. First semester: the nature, development, and determinants of personality and the measurement of personality traits. Second semester: the nature and origins of personality disturbances and methods of treatment. Prerequisite, 21-22. Instructor, Mr. Lundin.

35. SOCIAL PSYCHOLOGY. A study of the individual in the social environment. The field of social psychology, its growing importance, and its main branches and problems. Prerequisite, 21-22. Instructor, Mr. Godcharles.

36. SOCIAL PSYCHOLOGY. A study of the individual in the social environment. An analysis of the problems of this field in industry and in labor-management relations. Prerequisite, 21-22. Instructor, Mr. Godcharles.

37. THE HISTORY OF PSYCHOLOGY. The foundations of western scientific psychology, with major emphasis on the nineteenth and early twentieth century movements leading to the de-

velopment of current psychological thinking. Prerequisite, 21-22. Instructor, Mr. Lundin.

38. SYSTEMS OF PSYCHOLOGY. An analysis of major contemporary schools and systems from the standpoint of their logical and methodological differences. Prerequisites, 21-22, 33 or 35, and 37. Instructor, Mr. Lundin.

PUBLIC SPEAKING

MESSRS. MARSH, HUNT, JOHNSON, CARSON, AND LEWIS

Freshman and sophomore courses are required of all students. During the upperclass years, emphasis is on the individual student's growth in the use of speaking skills and techniques. Juniors and seniors may satisfy the public speaking requirement by electing each year one of the advanced one-hour courses offered by the department or by substituting approved supervised non-credit extracurricular work in the field of speech. A student may not elect the same advanced course for credit more than once; he may, however, continue, if he has done satisfactory work, for a second year in the same extracurricular speech activity.

11-12. FRESHMAN PUBLIC SPEAKING. The elements of public speaking. A systematic treatment of the principles of effective speech, with emphasis on the social processes of speech, on methods of improving speech habits, and on the dependence of effective speech upon the development of ideas. Analysis in individual conferences of voice and speech recordings; oral and written work, and study based on a textbook, with attempts made to coordinate work with that of other courses taken during the freshman year. Sections limited to eighteen students. Required of all freshmen. Two hours a week throughout the year. Credit, one hour each semester. Instructors, Messrs. Marsh, Carson and Lewis.

21-22. SOPHOMORE PUBLIC SPEAKING. First semester: speech composition. Emphasis on planning and delivery of different types of speeches. Further study of principles of speechmaking. Reading and criticism of speeches. An introduction to the principles

of discussion. Second semester: argumentation. Classroom study of the theory of augumentation and debate, including the analysis of propositions, methods of proof and rebuttal, briefing and platform practice. An introduction to parliamentary procedure. Course includes oral and written work, and use of a textbook. Two hours a week. Credit two hours each semester. Instructors, Messrs. Marsh, Hunt, Carson, and Lewis.

31-32. ADVANCED DISCUSSION. Study and practice of the principles of discussion, of the processes of thinking and of the solving of problems in committees and small groups, and of the methods of leading discussions and conferences. Emphasis on the factors of recognizing and attempting to solve a problem, of analytical thinking, of participation in conference work, and of adapting oneself to the nature of the group. Continuation of the study introduced in 21. One houra week. Instructors, Messrs. Hunt and Carson.

33-34. ADVANCED ARGUMENTATION. Study and practice of the methods of argumentation, including debate. Emphasis on the factors of developing and testing arguments and evidence, of adapting the argument to the audience, and of evaluating the use of various persuasive techniques. Continuation of the study introduced in 22. One hour a week. Instructor, Mr. Hunt.

35-36. ADVANCED EXTEMPORANEOUS SPEAKING. Continuation of the theory of persuasive speaking introduced in the freshman and sophomore courses. Standard forms followed in required speeches, with subjects taken mainly from the student's area of concentration. One hour a week. Instructor, Mr. Marsh.

37-38. ENGLISH AND AMERICAN PUBLIC ADDRESS. A critical survey of leading English and American orators, essayists, journalists, and American educators. Conducted mainly as symposium and panel discussions. One hour a week. Instructor, Mr. Marsh.

39-40. DRAMATIC INTERPRETATION. Classroom reading of modern plays for the purpose of developing physical expression and understanding of the basic techniques of acting. One hour a week. Instructor, Mr. Johnson.

ROMANCE LANGUAGES

French

MESSRS. MORAUD, HAMLIN, PIANO, AND BRACHFELD

A concentration in French may be obtained according to one of the following plans.

Type A French 13-14, 21-22, and three courses in French above 21-22.

Type B French 13-14, 21-22, two courses in French above 21-22 (French 29-30 not to be included except by special permission), and two complementary courses chosen from Groups 1 and 2 below, with at least one from Group 2.

1. Art 23-24, English Literature 21-22, History 11-12, Music 21-22, another modern language 13-14, Greek or Latin 11-12, and Philosophy 21-22.
2. English Literature 33-34, 35-36, 37-38, 43-44, History 35-36, 37-38, another modern language above 13-14, Greek or Latin above 11-12, Philosophy 33-34, and Anthropology 31-32.

11-12. ELEMENTARY FRENCH.* Thorough grounding in grammar and pronunciation. Reading in graded texts. Open to freshmen. Freshmen granted credit for 11-12 only upon the completion of French 13-14. Others granted credit for French 11-12 without completing French 13-14 only upon recommendation by the head of the department. Five hours a week throughout the year. Credit, three hours each semester. Instructors, Messrs. Hamlin, Piano, and Brachfeld.

13-14. INTERMEDIATE FRENCH.* Review of grammar and syntax. Intensive reading of selected texts, with outside reading. Oral practice. Prerequisite, 11-12 or at least two units of entrance French. Required of sophomores who have taken 11-12. Instructors,

* Credit is not given for the first semester alone of any elementary language course. French 11-12 and 13-14 are marked as year courses. The tentative grade assigned for 11 or 13 may be raised or lowered in accordance with the student's performance in 12 or 14.

Messrs. Moraud, Hamlin, Piano, and Brachfeld.

21-22. INTRODUCTION TO LITERATURE. Survey course of French literature from the seventeenth century to the present; conducted largely in French. Reports on outside reading. Prerequisite, 13-14 or its equivalent. Instructors, Messrs. Moraud, Hamlin, Piano, and Brachfeld.

29-30. COMPOSITION AND ORAL PRACTICE. A practical course, conducted entirely in French, which emphasizes the oral and written use of the language. Sections limited to twelve students. Prerequisite, the consent of the department. Instructor, Mr. Moraud.

31. SEVENTEENTH CENTURY LITERATURE. The growth of classicism in France during the seventeenth century. Lectures, discussions, outside reading, and written reports. Conducted entirely in French. Prerequisite, satisfaction of the language requirement or its equivalent. Instructor, Mr. Brachfeld.

34. EIGHTEENTH CENTURY LITERATURE. The Age of Enlightenment and the opening of new horizons leading to the Revolution. Lectures, discussions, outside reading, and written reports. Conducted entirely in French. Prerequisite, satisfaction of the language requirement or its equivalent. Instructor, Mr. Piano.

35-36. NINETEENTH CENTURY LITERATURE. Romanticism, realism, naturalism, and symbolism. Lectures, discussions, outside reading, and written reports. Conducted entirely in French. Prerequisite, satisfaction of the language requirement or its equivalent. Instructor, Mr. Moraud.

37-38. CONTEMPORARY LITERATURE. Representative authors of the twentieth century. Topics assigned for report and discussion; papers read and criticized in the classroom. Conducted entirely in French. Prerequisite, satisfaction of the language requirement or its equivalent. (Not offered in 1955-1956.) Instructor, Mr. Hamlin.

41-42. SEMINAR. Problems in literary studies. Open to students who have taken at least one course above 21-22. Instructors, Messrs. Moraud and Hamlin.

Spanish

MESSRS. PIANO, MARTINEZ, AND COTTO-THORNER

A concentration in Spanish may be obtained according to one of the following plans:

Type A Spanish 13-14, 21-22, and three additional courses above 21-22.

Type B Spanish 13-14, 21-22, two additional courses above 21-22, and two complementary courses selected from Groups 1 and 2, with at least one from Group 2.

1. Art 23-24, English Literature 21-22, History 11-12, Music 21-22, another modern language 13-14, Greek or Latin 11-12, and Philosophy 21-22.
2. English Literature 33-34, 35-36, 37-38, 43-44, History 21-22, 35-36, another modern language above 13-14, Greek or Latin above 11-12, Philosophy 33-34, Anthropology 31-32.

11-12. ELEMENTARY SPANISH.* Thorough grounding in grammar and pronunciation. Reading in graded texts. Open to freshmen. Freshmen granted credit for 11-12 only upon completion of Spanish 13-14. Others granted credit for 11-12 without completing 13-14 only upon recommendation by the head of the department. Five hours a week throughout the year. Credit, three hours each semester. Instructors. Martinez and Cotto-Thorner.

13-14. INTERMEDIATE SPANISH.* Review of grammar and syntax. Intensive reading of selected texts, with outside reading. Oral practice. Prerequisite, 11-12 or at least two units of entrance Spanish. Required of sophomores who have taken 11-12. Instructors, Messrs. Martinez and Cotto-Thorner.

21-22. INTRODUCTION TO LITERATURE. Survey course, conducted largely in Spanish, of Spanish literature from the Golden Age to the present. Outside reading reports. Prerequisite, 13-14 or

* Credit is not given for the first semester alone of any elementary or intermediate language course. Spanish 11-12 and 13-14 are marked as year courses. The tentative grade assigned for 11 or 13 may be raised or lowered in accordance with the student's performance in 12 or 14.

its equivalent. Instructors, Messrs. Piano, Martinez and Cotto-Thorner.

29-30. COMPOSITION AND ORAL PRACTICE. A practical course, conducted entirely in Spanish, which emphasizes the oral and written use of the language. Sections limited to twelve students. Prerequisite, the consent of the department. Instructor, Mr. Cotto-Thorner.

31-32. SPANISH-AMERICAN LITERATURE. A survey course conducted entirely in Spanish, with special emphasis on the nineteenth and twentieth centuries. Lectures, discussions, outside reading, and written reports. Prerequisite, satisfaction of the language requirement or its equivalent. (Not offered in 1955-1956). Instructor, Mr. Cotto-Thorner.

35-36. ADVANCED SPANISH LITERATURE. First semester: literature of the Golden Age. Second semester: the nineteenth and twentieth centuries, with considerable emphasis on the *generacion del* '98 and the *generacion del* '36. Lectures, discussions, outside reading, and written reports. Conducted entirely in Spanish. Prerequisite, satisfaction of the language requirement or its equivalent. Instructor, Mr. Martinez.

4

HONORS AND AWARDS

Honors

Fellowships

Prize Scholarships

Prizes

There is great danger that the young people of these days will fail to establish for themselves proper standards of values but will decide that the chief things in life are those which money will buy—things that exist today and are gone tomorrow; forgetting for a time that the things which are best are found in a broad knowledge of men and affairs, a sterling character, the ability to think straight and translate thought into action. It is of the utmost importance to the welfare of our nation that the young learn what is most worth while in life. No other agency is at all so well fitted to do this as the small college if properly equipped and properly conducted.

—Elihu Root, '64, awarded Nobel Peace Prize, 1912

Honors and Awards

HONORS and prizes are conferred for general excellence, or for superiority in some special field. To compete for a prize, a student must be in regular standing. Information concerning details of oration and essay competitions may be obtained from members of the Department of Public Speaking.

HONORS

Phi Beta Kappa

The Hamilton chapter of Phi Beta Kappa, known as the Epsilon Chapter of New York, was established in 1870. Students are elected to membership primarily for intellectual distinction. In September the chapter may choose not more than five seniors having especially distinguished records during their first three years. Other seniors are elected in April. Except by unanimous consent of the chapter, not more than one-eighth of a class may be chosen, and normally a minimum scholastic average of 87 is required.

Commencement Honors

The valedictorian and the salutatorian are the two seniors whose average grades for the course are respectively highest and second highest.

Department Honors

Department honors may be awarded at graduation in those subjects in which a concentration is possible and in Public Speaking. To receive honors in subjects where a concentration is possible, a student must normally have taken four or more departmental year

courses acceptable for a concentration and must have an average of not less that 90 in all such courses; except that a student whose average is between 85 and 90 in such courses may receive honors by special recommendation of the department. Also, a student presenting a Type C concentration may be awarded departmental honors on special recommendation of the department if his average in all his concentration courses is above 85.

Honors in Public Speaking are awarded on recommendation of the head of this department.

FELLOWSHIPS

The Root Fellowship

The Root Fellowship in Science, established in 1894 by the Honorable Elihu Root, of the Class of 1864, is ordinarily granted for a single year of graduate study at some American or European university approved for that purpose in each individual instance by the Faculty. The stipend is $1,200 payable in equal installments in October, February, and May. The payment of each installment is conditioned on the submission by the fellow of satisfactory evidence of the successful progress of his studies to the President. To receive the third installment, the fellow must submit a comprehensive written report, which shall be filed in the college records. At the request of the Faculty, the fellow shall give a lecture or address to the College on a subject appropriate to his work.

The Root Fellow is not allowed to accept any remunerative employment during the college year without permission of the Faculty.

Any member of the senior class of high general standing who has shown marked ability and special aptitude for research in one or more of the departments of science may be nominated for faculty consideration for this award by the professors of those departments. From the men thus nominated, the Faculty will select one who shall be recommended to the Trustees for appointment.

If the Faculty finds no suitable candidate in the graduating class of any year, it may recommend to the Trustees that the fellow appointed from the preceding class be continued in the fellowship for a second year, but no longer.

Classical Fellowships

For many years the College has contributed regularly to the support of the American School of Classical Studies at Athens and the School of Classical Studies of the American Academy in Rome. Graduates of the College are thereby entitled to compete for the annual fellowships awarded by these schools, and to pursue studies at either institution without payment of tuition. The contribution to the school at Athens is provided from the income of an endowment established by the will of the late Professor Edward Fitch, of the Class of 1886; that to the Rome academy through a grant made by Henry P. Bristol, Lee H. Bristol, and William M. Bristol, Jr., of the classes of 1910, 1914, and 1917, respectively, in memory of their uncle, Professor George P. Bristol, of the Class of 1876.

PRIZE SCHOLARSHIPS

Prize scholarships are competitive and are awarded to students in recognition of outstanding achievement. A number of scholarship foundations, established by alumni and friends of the College, support them.

To be eligible for a prize scholarship, a student must have maintained for the previous semester a C average with no failure and no delinquency in attendance. No student may hold at one time more than one prize scholarship.

Arnold Prize Scholarships

The Benjamin Walworth Arnold Prize Scholarship Fund of $20,000, given by Mrs. Benjamin Walworth Arnold in memory of her late husband, provided four prize scholarships, of which one is to be given annually to that holder of a regular scholarship in each college class who in the preceding year (or in the first semester in the case of freshmen) shall have made the best record in his college courses.

Senior Prize Scholarships

Upon receiving a senior prize scholarship, the appointee must elect in his senior year at least one advanced course in the depart-

ment of the award and complete the senior year at Hamilton.

The EDWARD HUNTINGTON MEMORIAL MATHEMATICAL SCHOLARSHIP, founded by Alexander C. Soper, LL.D., of the Class of 1867, the ARTHUR W. SOPER LATIN SCHOLARSHIP, and the DUELL GERMAN SCHOLARSHIP, founded by the Honorable Charles Holland Duell, LL.D., of the Class of 1871, are each awarded for excellence in the field specified, as determined by the recipient's work in his freshman, sophomore, and junior years and, at the discretion of the departments, by a competitive examination at the end of the junior year.

CHAUNCEY S. TRUAX PRIZE SCHOLARSHIP IN GREEK. The Truax Scholarship is awarded to that senior who shall have stood highest in the Greek work of the first three years with an average grade of not less than 85. Preference will be shown to candidates who entered Hamilton as freshmen with credit in Greek.

FRANK HUMPHREY RISTINE SCHOLARSHIP. Established by former students and other friends of Frank H. Ristine, professor of English literature from 1912 to 1952, the Ristine Scholarship is awarded for excellence in English. Consideration is also given to general academic standing, need for financial aid, and campus citizenship.

CAPTAIN GERALD FITZGERALD DALE SENIOR SCHOLARSHIP. This scholarship is awarded to a senior who has completed his junior year with distinction in literature, language, music, science or social science and ranks in the top tenth of a class over one hundred in number or in the top quarter of a class of fewer than one hundred, and who needs financial aid. In addition, he must have demonstrated his promise for useful citizenship by his character, his standing among his fellows, and his contribution to the extracurricular life of the College.

Junior Prize Scholarships

OREN ROOT PRIZE SCHOLARSHIPS. Two scholarships are awarded to the two juniors who have the best record in mathematics during the freshman and sophomore years, and who continue that subject through the junior year.

RENWICK PRIZE SCHOLARSHIP IN BIOLOGY. This scholarship, founded by Edward A. Renwick, A.M., of Chicago, Illinois, is awarded to a member of the senior or junior class appointed by the Faculty, for the study of biology during the summer vacation.

DR. EDWARD FITCH PRIZE SCHOLARSHIP IN LATIN. Founded by E. Root Fitch, of the Class of 1886, a scholarship of one hundred dollars is awarded annually to that sophomore who, at the end of one or two years of Latin, shall have maintained the best record in that subject. To be eligible for the award, the appointee must elect Latin in his junior year.

Sophomore Prize Scholarships

DR. EDWARD FITCH PRIZE SCHOLARSHIP IN GREEK. Founded by E. Root Fitch, of the Class of 1886, a scholarship of one hundred dollars is awarded annually to that freshman who, at the end of one year of Greek, shall have maintained the best record in that subject. To be eligible for the award, the appointee must elect Greek in his sophomore year.

E. ROOT FITCH PRIZE SCHOLARSHIP. A one hundred dollar scholarship, founded by E. Root Fitch, of the Class of 1886, is awarded annually to that member of the Hamilton chapter of Delta Upsilon who, having maintained at least a C average for two consecutive years, makes in the second of these years the greatest improvement in his scholastic record.

FAYERWEATHER PRIZE SCHOLARSHIPS. Five scholarships of one hundred dollars each are awarded to the five sophomores who, at the end of the freshman year, have made the highest averages in their class. The stipends will be credited on the term bills of the sophomore year. *(See also* Brockway Prize.)

PRIZES

Achievement Prizes

BABCOCK PRIZE IN PHILOSOPHY AND PEDAGOGY. A foundation of two thousand dollars by Edward S. Babcock, of the Class of 1896, provides a prize for that senior who shall have excelled "in philosophy, and particularly in the science of pedagogy."

BROCKWAY PRIZE. A foundation established by A. Norton Brockway, M.D., of the Class of 1857, provides a prize of twenty-five dollars annually which is awarded to that member of the freshman class who has made the best academic record.

CLARK PRIZE ORATION. A foundation of one thousand dollars, begun by Aaron Clark, A.M., and increased by Henry A. Clark, of the Class of 1838, provides a prize for that senior who is adjudged to be the best speaker in the annual oratorical contest.

CURRAN PRIZE IN GREEK AND LATIN. A foundation of seven hundred dollars by relatives of Colonel Henry H. Curran, of the Class of 1862, provides a prize in Greek and Latin, offered to juniors. The award is determined by written examinations in Greek and Latin. The competition in a given year is based upon Greek 31-32 or 33-34, and upon Latin 31-32 or 33-34.

NELSON CLARK DALE, JR., PRIZE IN MUSIC. A foundation in memory of Captain Nelson Clark Dale, Jr., U.S.M.C.R., of the Class of 1942, established by his parents, provides a prize for that student who has shown exceptional ability in music as composer, interpreter, or leader, or who has contributed most to the musical life of the College. All students in good standing are eligible for this prize. The committee of award shall consist of members of the Department of Music and a senior to be selected by the department.

DARLING PRIZE IN AMERICAN HISTORY. A foundation by Charles W. Darling, supplemented by a friend of the College, provides a prize for the senior having the most distinguished record in at least two courses in American history offered to his class.

GÉLAS MEMORIAL PRIZE. A foundation established in 1955 by a group of alumni to honor the memory of Jean-Marius Gélas, fencing coach and Professor of Physical Education from 1921 to 1946, provides an award to the senior who has shown the greatest development in strength of character, leadership, and athletic ability during his college days.

FRANCIS W. GILBERT PRIZE. A gift presented by the Class of 1953 in memory of Francis Gilbert, fellow in history at Hamilton College from 1946 to 1953, provides a cash award to be presented at a college convocation to that sophomore who, in the opinion of the Dean of the College, has shown the greatest scholastic improvement in the second semester of his freshman year.

HAWLEY PRIZES IN GREEK AND LATIN. A foundation of five hundred dollars by Martin Hawley, of the Class of 1851, provides two book prizes, equal in value, one for excellence in Greek, and one for

excellence in Latin. The awards are made to the students who have the best records in Greek 21-22 and Latin 21-22, respectively.

HOLBROOK PRIZE IN BIOLOGY. A foundation of one thousand dollars by David A. Holbrook, of the Class of 1844, provides a prize for the senior having the best record in three year-courses in biology.

KNEELAND PRIZE. A foundation of one thousand dollars by the Reverend Martin Dwelle Kneeland, D.D., of the Class of 1869, provides a prize for the student who has the best record when his grades in a year course on the Bible and in an essay competition on an assigned biblical subject are combined.

MC KINNEY PRIZE DEBATE. A foundation of fifteen hundred dollars by Charles McKinney provides two prizes for seniors excelling in extemporaneous debate.

MC KINNEY PRIZE SPEAKING CONTEST. A foundation of fifteen hundred dollars by Charles McKinney provides book prizes for the two men in each of the three lower classes who excel in public speaking. Four contestants are annually chosen from each of these classes upon the basis of their record in speaking up to the time of appointment. Juniors speak impromptu; sophomores give extempore speeches; and freshmen present memorized declamations. The competition is held on the evening of the third Wednesday in May.

JAMES SOPER MERRILL PRIZE. A foundation established in memory of James Soper Merrill by his nephew, James P. Soper, Jr., of the Class of 1911, provides as a prize a gold watch which is awarded at Commencement time to that member of the graduating class "who, in character and influence, has best typified the highest ideals of the College." The Faculty shall select the recipient of this award.

NORTON FOUNDATION. Thomas Herbert Norton, Ph.D., Sc.D., of the Class of 1873, has provided a foundation of nine hundred and fifty dollars for the encouragement of research in chemistry, the sum to be increased in subsequent years. It is prescribed that the income in each year shall be given as a prize to that undergraduate or graduate student in the College who shall have demonstrated the greatest capacity for research in chemistry. In any year when no prize is awarded the income shall be devoted to the purchase of works of reference for the Department of Chemistry.

PUTNAM PRIZE IN AMERICAN HISTORY. The gift of Dr. Frederick W. Putnam, of Binghamton, supplemented by a friend of the Col-

lege, provides a prize of books for the senior having the second most distinguished record in at least two courses in American history offered to his class.

ROGERS PRIZE IN GEOLOGY. A foundation of twelve hundred and fifty dollars by E. Albert Rogers, of the Class of 1898, provides a prize for that senior having a major in geology who excels in the courses of his concentration program.

WILLIAM DUNCAN SAUNDERS PRIZE IN ENGLISH WRITING. A prize of two hundred dollars, in memory of William Duncan Saunders, of the Class of 1925, offered by Mrs. Edward Wales Root and the late Alexander Woollcott, LH.D., of the Class of 1909, is awarded for the best piece of student writing either submitted in manuscript or published since the last award. Competition is open to all students. Papers are to be left at the President's Office before noon on May 1. Professor Robert Barnes Rudd is the chairman of the committee of award and will nominate the other members, the majority of whom are to be from the Faculty of the College.

SOUTHWORTH PRIZE IN PHYSICS. A foundation of five hundred dollars by Tertius D. Southworth, of the Class of 1827, provides a prize for the senior who excels in physics.

SQUIRES PRIZE IN PHILOSOPHY. A foundation of two thousand dollars by Byron B. Taggart, of the Class of 1896, in honor of the late William Harder Squires, Ph.D., of the Class of 1888, provides a prize to be awarded annually, with the approval of the Faculty, to that senior who shall have the highest grade when the marks for three year-courses in philosophy and a special examination designed for the purpose are combined.

TOMPKINS PRIZES IN MATHEMATICS. A foundation of thirty-two hundred dollars by Hamilton B. Tompkins, A.M., of the Class of 1865, provides two prizes for juniors who excel in mathematics. The award is made upon the basis of an examination near the close of the junior year, involving the work in Mathematics 15-16, 25-26, and 31-32 or 33-34.

UNDERWOOD PRIZE IN CHEMISTRY. A foundation of three thousand dollars, begun by George Underwood, of the Class of 1838, and increased by J. Platt Underwood, of the Class of 1870, provides a prize for the senior who excels in chemistry.

VROOMAN PRIZE. Through the generosity of John W. Vrooman, LL.D., a foundation of one thousand dollars provides a prize to

be awarded to that freshman who shall have passed the best admission examination on some portion of the Greek New Testament.

WINCHELL PRIZE IN GREEK. A foundation of one thousand dollars by Walter B. Winchell, M.D., of the Class of 1880, provides a prize to be awarded annually, with the approval of the Faculty, to the student who, beginning Greek in college, shall have the best record in three year-courses in this language.

WINSLOW PRIZE IN GREEK. A foundation of two thousand dollars by William Copley Winslow, D.D., of the Class of 1862, provides a prize to be awarded annually to the member of the sophomore class attaining the greatest proficiency in Greek for the year.

WINSLOW PRIZE IN LATIN. A foundation of two thousand dollars by William Copley Winslow, D.D., of the Class of 1862, provides a prize to be awarded annually to the member of the freshman class attaining the greatest proficiency in Latin for the year.

WINSLOW PRIZE IN ROMANCE LANGUAGES. A foundation of two thousand dollars by William Copley Winslow, D.D., of the Class of 1862, provides a prize to be awarded annually to the member of the junior class attaining the greatest proficiency in Romance languages during his college course.

WOOLLCOTT PRIZE. In memory of Alexander Woollcott, of the Class of 1909, "The Charlatans Prize" is given to a member of the Senior Class who has shown special ability in dramatics as writer or director or who has contributed markedly to the appreciation of dramatics at the College.

WYLD PRIZE IN GERMAN. A foundation by Lionel D. Wyld, of the Class of 1949, in memory of Mary E. and Fred H. Wyld, Sr., provides a prize to a junior or senior for excellence in German as evidenced by course work and an essay.

Essay Prizes

DEAN ALFANGE ESSAY PRIZE. A foundation of four thousand dollars by Dean Alfange, of the Class of 1922, provides a prize for the student writing the best essay on a feature or an issue of American constitutional government.

COBB ESSAY PRIZE. A foundation of five hundred dollars by Willard A. Cobb, of the Class of 1864, provides a prize for the student submitting the best essay on journalism.

CUNNINGHAM ESSAY PRIZE. A foundation of five hundred dollars

by John Howard Cunningham, of the Class of 1866, provides a prize for the senior submitting the best essay on some phase of the life of Abraham Lincoln.

GOLDING ESSAY PRIZE. A grant of two hundred dollars, to be made annually by Dean Alfange, of the Class of 1922, in memory of the late Major Arnold H. Golding, a graduate of Dartmouth College, provides a prize "for the best paper dealing with the promotion of racial and religious understanding in the United States."

HEAD ESSAY PRIZE. A foundation of one thousand dollars by Franklin H. Head, LL.D., of the Class of 1856, provides a prize for the best senior essay upon a theme relating to Alexander Hamilton.

HUTTON ESSAY PRIZE. A foundation of five hundred dollars by William Hutton, D.D., of the Class of 1864, provides a prize for the sophomore submitting the best essay on an assigned subject in the history, translations, or literature of the Bible.

KELLOGG ESSAY PRIZES. A foundation of seven hundred dollars by Charles C. Kellogg, of the Class of 1849, provides book prizes for a junior, sophomore, and freshman who excel in English essays.

KIRKLAND ESSAY PRIZE. A foundation of five hundred dollars by Mrs. A. R. Kirkland provides a prize for the senior writing the best essay upon a theme in Biblical science.

PRUYN ESSAY PRIZE. A foundation of five hundred dollars by former Chancellor John Van Schaick Lansing Pruyn of the University of the State of New York, given on August 5, 1863, has provided for the award annually of the so-called Pruyn Medal. Under a revision of its terms, as approved by his heirs on October 26, 1933, a money prize is offered for the senior or junior writing the best essay on "The Political Duties of Educated Young Men." The prize is available in 1956 and in alternate years thereafter.

SOPER ESSAY PRIZE. A foundation of fifteen hundred dollars by Arthur W. Soper provides a prize for the best essay on a topic in economics assigned by the Faculty. The competition is open to all seniors who are taking a second or third year-course in economics.

APPENDIX

COLLEGE RECORDS 1954-55

Hamilton College Finances

Degrees, Honors, and Awards

Public Occasions

Society of Alumni

Hamilton College Finances

FINANCIAL RESOURCES
(As of June 30, 1954)

COLLEGE PROPERTY and BUILDINGS	$3,130,521
ENDOWMENT FUNDS	6,171,861
CURRENT GENERAL FUNDS	161,081
UNRESTRICTED and LOAN FUNDS	82,389
FUNDED RESERVE	92,449

SCHOLARSHIP FOUNDATIONS
(As of June 30, 1955)

ANONYMOUS	$ 2,500.00
BENJAMIN WALWORTH ARNOLD	20,000.00
B. T. BABBITT	18,000.00
EDWARD S. BABCOCK	41,305.00
H. ROSWELL BATES by Lt. Col. William A. Aiken	20,000.00
EDWIN BAYLIES	5,000.00
BEMENT by Albert C. Phillips	2,020.00
JAMES L. BENNETT	4,000.00
MRS. JAMES L. BRADLEY	2,000.00
O. T. BUNDY	2,000.00
WILLIAM BURTON	1,500.00
ANDREW CARNEGIE	57,500.00
LAURA CARTER	12,000.00
GEORGE A. CLARK (Byne)	5,000.00
CLASS OF 1867	2,005.00
CLASS OF 1899	2,516.00
CLASS OF 1909	4,416.00
P. CHARLES COLE	1,000.00
CAPTAIN GERALD FITZGERALD DALE	9,275.00
MELVILLE EMORY DAYTON MEMORIAL	8,000.00
WILLIAM E. DODGE	5,000.00
CHARLES HOLLAND DUELL	10,500.00
DUELL, GERMAN	5,300.00
GEORGE E. DUNHAM	36,000.00
LIEUTENANT WILLARD B. EDDY, JR.	18,100.00

ETHEL KELSEY EVANS	4,396.00
FAYERWEATHER	10,000.00
H. P. FERGUSON	2,464.00
ELIZABETH R. FITCH	26,335.00
ROSWELL P. FLOWER	2,000.00
ALEXANDER FOLSOM	2,000.00
GENEVA PRESBYTERY	1,700.00
CHARLES D. GILFILLAN	2,500.00
A. DELOS GRIDLEY	5,000.00
DAVID S. HASTINGS	14,044.00
THEODORE S. HUBBARD	3,500.00
EDWARD HUNTINGTON	5,000.00
THE HONORABLE IRVING M. IVES	15,000.00
D. WILLIS JAMES	2,000.00
SAMUEL H. JARDIN	4,000.00
MARCUS JUDSON	1,000.00
HENRY W. KING	2,000.00
JOHN J. KNOX	1,500.00
LEAVENWORTH	18,613.00
WILLIAM DeLOSS LOVE	16,279.00
JULIA J. MacCARTEE (Darling Memorial)	9,525.00
ANNIE L. MacKINNON by Edward Fitch	5,000.00
MARQUAND by Alan Trask	4,000.00
CHARLES G. MATTESON MEMORIAL	1,020.00
REUBEN L. MAYNARD	179,867.00
HENRY SCOTT McCALL	1,000.00
NICHOLS by Erastus N. Nichols	748.00
RENWICK	1,300.00
FRANK H. RISTINE	3,014.00
OREN ROOT	10,000.00
OREN ROOT, JR.	5,000.00
CHARLOTTE B. SACKETT MEMORIAL	10,569.00
SEVENTY-FIVE YEAR CLASS	8,804.00
C. C. SHEPPARD	1,500.00
HORACE B. SILLIMAN	3,000.00
A. P. SLOAN	2,000.00
A. W. SOPER	10,000.00
ARTHUR W. SOPER	5,000.00
JAMES P. SOPER	2,000.00
S. B. STEERE	10,000.00
S. TRUAX	14,986.00
J. PLATT UNDERWOOD	5,125.00
WALCOTT and PETTIBONE	9,500.00
HENRY WALES	2,982.00
J. B. WELLS	2,000.00
SYLVESTER WILLARD MEMORIAL by Mrs. S. Willard	2,000.00
LEROY WILLIAMS	141,890.00

Degrees, Honors, and Awards

1955

DEGREES in COURSE

Bachelor of Arts

ALOISI, THOMAS
BACOT, JOHN C.
BALCH, JAMES P.
BATES, DAVID F.
BENZA, DONALD J.
BOTTING, PAUL M.
BOYD, RICHARD I.
BRAUNLICH, ROBERT G.
BROWNELL, PIERRE H.
CARL, WALTER J.
CARLIN, MICHAEL
CASTELLANI, GEORGE J.
COLLINS, BERNARD K.
COPPIE, COMER S.
CROSIER, WALTER S.
D'APRIX, ROGER M.
DAVIS, ROGER W.
DAVIS, THEODORE H.
DEWAN, EDWARD W.
DUFF, DAVID A.
FELLOWS, ROBERT E.
FENSTER, PHILIP S.
FESQ, ROBERT M.
FISHER, THOMAS E.
FLEMING, WILLIAM A.
FOERSTEL, HERBERT H.
FOX, RICHARD C.
FRIBUSH, ELLIS M.
FRIEDLER, JOHN P.
GILMAN, JOHN C.
GOSS, DONALD A.
GOULD, NEIL H.
GRAASKAMP, CHARLES F.
GRAY, MAX
HAHN, PHILIP M.
HALL, ROBERT K.
HALLOCK, ALLEN R.
HAMANN, EDMUND G.
HARNETT, RICHARD A.
HELLER, MARK L.
HERBSTER, WILLIAM G.
HOLLOWAY, ROBIN G.
HOLMSTEN, LEO J.
HUNT, CHARLES H.
IBACH, JOHN R.
INSLEY, GORDON E.
JOSELL, ROBERT
KAISER, ALBERT F.
KEELER, JOHN M.
KELLY, JOHN F.
KERR, GEORGE T.
KLEIN, SANFORD S.
KRAUSS, RONALD A.
KULLER, LEWIS H.
LANG, SAMUEL J.
LEWNES, CHRIS F.
LYLE, QUENTIN E.
MAGEE, JAMES S.

McMAHON, JOHN J.
MEINKE, JAMES P.
MERRIAM, JOHN G.
OSHIRO, ISO
PALMER, HAMILTON S.
PARRY, CHARLES M.
PHILLIPPS, HENRY G.
POWELL, STEPHEN A.
PRESTON, NORMAN W.
RAHM, CHARLES G.
REED, EDWARD F.
RESNER, GERALD
ROSCHELLE, IRA A.
ROSE, CHARLES J.
ROSEN, SAMUEL M.
SAGMAN, DAVID L.
SAVORY, ALAN P.
SCAFATI, ALDO C.
SCHADE, STANLEY G.
SEIDNER, FRANCIS J.
SHAFFER, MARK B.
SHELBY, STUART
SHEPARD, FRANCIS A.
SPROAT, G. ALFRED
STRAND, ROGER G.
STUCKI, ARTHUR
SUSSMAN, HAROLD E.
THOMPSON, JAMES P.
TORRANCE, CALVIN W.
TOWNSEND, ROGER G.
VADEIKA, EDWARD A.
VAN VOLKENBURGH, PIETER
VON BROCKDORFF, ERIC
WARD, ROBERT D.
WEBER, FRANK A.
WOLFE, HENRY E.
YEOMANS, WILLIAM N.
YOUNG, DENISON W.
ZEEVELD, PETER W.

HONORARY DEGREES

DOCTOR OF LAWS ..... Leslie Richard Groves; John William Nason

DOCTOR OF HUMANE LETTERS ..... Margaret Chase Smith

DOCTOR OF DIVINITY ..... Ralph Theodore Haas

DOCTOR OF SCIENCE ..... Theodore Hunt Ingalls; Arthur Jackson Mix

SCHOLARSHIP HONORS for the COURSE

Class of 1955

HIGH HONOR ..... Rosen, Valedictorian; Torrance, Salutatorian; Schade

HONOR ..... D'Aprix, Goss, Klein, Magee, Meinke, Roschelle, Seidner

CREDIT ..... Aloisi, Bacot, Bates, Carl, Fellows, Fenster, Fesq, Fribush, Gilman, Gould, Hall, R. K., Heller, Holloway, Holmsten, Ibach, J. R., Josell, Kaiser, Keeler, Krauss, Kuller, McMahon, Resner, Savory, Scafati, Shaffer, Sproat, Sussman, Vadeika, von Brockdorff, Ward, Wolfe, Yeomans

ELECTIONS to PHI BETA KAPPA

AUTUMN, 1954 ..... Rosen, Schade, Torrance

SPRING, 1955 ..... D'Aprix, Goss, Klein, Magee, Roschelle, Seidner

DEPARTMENT HONORS

ART ..... Brownell

BIOLOGY ..... Goss, Klein, Rosen, Shaffer

CHEMISTRY ..... Roschelle, Rosen

ECONOMICS ..... Kaiser

ENGLISH LITERATURE ..... Meinke, Schade

FRENCH ..... Klein, Rosen

GEOLOGY ..... Harnett

HISTORY ..... Torrance

PHILOSOPHY AND RELIGION ..... Keeler, Magee

* High Honor—90 or above; Honor—Below 90 but not lower than 85; Credit—Below 85 but not lower than 80.

POLITICAL SCIENCE ..... Magee, Seidner

PSYCHOLOGY ..... Carlin, Seidner, Yeomans

PUBLIC SPEAKING ..... Holloway, Krauss, Magee, Rosen, Torrance

SPANISH ..... Krauss

SCHOLARSHIP HONORS

For the Year 1954-55

Senior Class

HIGH HONOR ..... D'Aprix, Magee, Meinke, Rosen, S. Schade, Torrance

HONOR ..... Bacot, Carl, Duff, Fenster, Goss, Heller, Holmsten, Insley, Kaiser, Klein, Krauss, Roschelle, Seidner, Sproat, Zeeveld

CREDIT ..... Benza, Carlin, Coppie, Fesq, Fisher, Foerstel, Fribush, Friedler, Graaskamp, Gray, Hahn, R. K. Hall, Hamann, Holloway, J. Ibach, Keeler, Kerr, Kuller, McMahon, Resner, Sagman, Shaffer, Sussman, Townsend, Vadeika, von Brockdorff, Ward, Yeomans

Junior Class

HIGH HONOR ..... Carter, Connor, Corradi, Granof, Green, MacLean, Schulman, Sorger, Sundell

HONOR ..... Benson, Carpenter, D'Azzara, Giruzzi, J. M. Glezen, Greenwald, G. S. Hall, Harbert, Hasenpflug, Kehoe, Kelton, Kuk, Mahoney, Mardiney, Moses, Penny, Plotka, Rosenzweig, Rosh, Rothenberg, Rothstein, J. Schade, Smalley, Tocci

CREDIT ..... W. Barnes, Basler, E. Bradley, W. Bradley, E. L. Brown, Canuteson, Chase, Cline, W. Cline, Clobridge, D'Aran, Dawes, Demet, Fagan, Field, George, Hand, Harvey, Huber, Ivers, Koehler, Lawder, Mahood, Presberg, Prettyman, D. Robinson, Sheerer, Sheldon, Singmaster, E. Smith, Teitelbaum, T. Weinstein, Woodward, G. Young

Sophomore Class

HONOR ..... P. W. Abell, Baruch, G. Bates, Benjamin, Billig, Bromley,

Butterfield, Colapietro, Eaker, Eveleth, Freyer, Gailbraith, R. C. Hall, Kaplan, Koplovitz, Lucik, MacFarland, Moran, Martin Nadel, Quarton, Ronacher, Savett, Schemerhorn, James Taylor, Tischler

CREDIT ..... P. L. Abell, Black, W. Braunlich, Browne, Buchsbaum, Burns, Derby, DiMarco, Durham, Esch, Frederiksen, J. Gillespie, Glenn, Goller, Group, Hansen, Houmiel, O. Hunt, Juda, Kempler, McClintock, McMorris, R. P. Miller, Nadig, Olson, Pierson, Pomeranz, Ravndal, Rockwell, Rose, Rosenbaum, Rubinson, Schuman, Seyba, Shaler, B. T. Smith, Spector, Warner

Freshman Class

HIGH HONOR ..... Hooper, Leber, B. L. Miller

HONOR ..... Berkes, Bruck, Case, Citranglo, Cohen, Fuller, Gerson, M. Gillespie, J. C. Glezen, Goetz, Hatch, Hoffman, J. Kuhn, McMillan, Mellen, Purple, Stanton, Talentino, Wedding

CREDIT ..... M. Billings, Byron, Caldwell, Daily, J. Driscoll, Easton, Fay, Fuld, Goebel, Grantier, Graves, Harwood, Hasseltine, Kay, Mackey, Melius, Mower, Rizzo, Rogers, Smelzer, J. Walsh

Specials

CREDIT ..... Birkenhauer, Papageorgis

FELLOWSHIPS, SCHOLARSHIPS, and PRIZES

DEAN ALFANGE ESSAY PRIZE ..... Smalley

BENJAMIN WALWORTH ARNOLD PRIZE SCHOLARSHIPS .. Freshman, Gillespie; Sophomore, Tischler; Junior, McLean

BABCOCK PRIZE IN PHILOSOPHY AND PEDAGOGY ..... Magee

BROCKWAY PRIZE ..... Hooper

CLARK PRIZE ORATION ..... Torrance
Contestants ..... Krauss, Holloway, Magee, Rosen

COBB ESSAY PRIZE ..... Krauss

CURRAN PRIZE IN GREEK AND LATIN ..... Connor

CAPTAIN GERALD FITZGERALD DALE SENIOR SCHOLARSHIP ..... Carter

NELSON CLARK DALE, JR. PRIZE IN MUSIC ..... Fisher

DARLING PRIZE IN AMERICAN HISTORY ..... Von Brockdorff

DUELL GERMAN SCHOLARSHIP ..... Mahoney

FAYERWEATHER PRIZE SCHOLARSHIPS ..... Hooper, Miller, R., Leber, Citranglo, Talentino

DR. EDWARD FITCH PRIZE SCHOLARSHIP IN LATIN ..... Robinson

GOLDING ESSAY PRIZE ..... First, Green; Second, D'Aprix

HAWLEY PRIZE IN GREEK ..... Hall

HAWLEY PRIZE IN LATIN ..... Robinson

HEAD ESSAY PRIZE ..... Carl

HOLBROOK PRIZE IN BIOLOGY ..... Rosen

HUTTON ESSAY PRIZE ..... McGiffin

EDWARD HUNTINGTON MEMORIAL MATHEMATICAL SCHOLARSHIP ... Benson

KELLOGG ESSAY PRIZES ..... Harbert

KNEELAND PRIZE ORATION ..... Corradi

McKINNEY PRIZE DEBATE ..... First, Magee; Second, Heller

McKINNEY PRIZE SPEAKING ..... Juniors: First, Teitelbaum; Second, Prettyman; Sophomore: First, Hall; Tied for Second, Nadel, Schemerhorn; Freshman: First, Citranglo; Second, Purple

JAMES SOPER MERRILL PRIZE ..... Ibach

PUTNAM PRIZE IN AMERICAN HISTORY ..... Kaiser

FRANK HUMPHREY RISTINE SCHOLARSHIP ..... Sundell

RENWICK PRIZE SCHOLARSHIP IN BIOLOGY ..... Bates

ROGERS PRIZE IN GEOLOGY ..... Harnett

ROOT FELLOWSHIP IN SCIENCE ..... Rosen

OREN ROOT PRIZE SCHOLARSHIPS ..... Kraunz, Quarton

WILLIAM DUNCAN SAUNDERS PRIZE IN ENGLISH WRITING ..... Seidner

ARTHUR W. SOPER LATIN SCHOLARSHIP ..... Schulman

SOPER PRIZE THESIS ..... Green

SQUIRES PRIZE IN PHILOSOPHY ..... Roschelle

TOMPKINS PRIZES IN MATHEMATICS ..... First, Benson; Second, Carter

CHAUNCEY S. TRUAX PRIZE SCHOLARSHIP IN GREEK ..... Connor

UNDERWOOD PRIZE IN CHEMISTRY ..... Roschelle

WINCHELL PRIZE IN GREEK ..... Connor

WINSLOW PRIZE IN GREEK ..... Prokop

WINSLOW PRIZE IN LATIN ..... Fuller

WINSLOW PRIZE IN ROMANCE LANGUAGES ..... Schulman

HARLAN WOODFORK SCHOLARSHIP ..... Burner

Public Occasions 1954-55

SEPTEMBER

16. CONVOCATION opening the 145th year ..... Dean Winton Tolles

19. CHAPEL SERVICE ..... The Reverend Eugene Carson Blake, Clerk of the General Assembly of the Presbyterian Church, U.S.A.

26. CHAPEL SERVICE ..... President Robert W. McEwen

OCTOBER

3. CHAPEL FORUM, First lecture in the John Herschel Morron Series "The Rationality of the Christian Faith" ..... Professor Theodore M. Greene, Yale University

4. RECITAL ..... Miss Betty Allen, mezzo-soprano

8. LECTURE, "The Value of the United Nations to the U.S.A." ..... Mr. Philip C. Jessup

10. CHAPEL SERVICE ..... The Reverend Behrend Mehrtens, Rutgers University

14. LECTURE, "Okinawa" ..... Professor Douglas Haring, Syracuse University

17. CHAPEL SERVICE ..... The Reverend Colin Miller, Knox Presbyterian Church, Ottawa, Canada

20. FIRST WINSLOW LECTURE, "Battle: Cowardice? The First Retreat (Iliad 8)" ..... Professor Sterling Dow, Harvard University

21. SECOND WINSLOW LECTURE, "A Commando Operation: Impossible? The Killing of the Suitors (Odyssey 22)" ..... Professor Dow

24. CHAPEL SERVICE ..... The Reverend Shelby Rooks, St. James Presbyterian Church, New York

31. CHAPEL SERVICE ..... The Reverend Ralph T. Haas, The Crescent Avenue Presbyterian Church, Plainfield, New Jersey

NOVEMBER

4. LECTURE, "Thomas Mann" ..... Professor Victor Lange, Cornell University

7. SECOND JOHN HERSCHEL MORRON LECTURE, "The Rationality of the Christian Faith" ..... Professor C. J. Ducasse, Brown University

10. RECITAL, Shakespearean music ..... Miss Suzanne Bloch

14. CHAPEL SERVICE ..... The Reverend Robert Bonthius, Vassar College

21. CHAPEL SERVICE ..... The Reverend Norman Vistor Hope, Princeton Theological Seminary

DECEMBER

5. THIRD JOHN HERSCHEL MORRON LECTURE, "The Rationality of the Christian Faith" ..... Professor Yves R. Simon, University of Chicago

12. CHAPEL SERVICE ..... Christmas music and readings

JANUARY

9. CHAPEL SERVICE ..... Professor Roland H. Bainton, Yale University

19. LECTURE, "Israel and the Arab World" ..... Mr. Alfred Lilienthal

FEBRUARY

6. FOURTH JOHN HERSCHEL MORRON LECTURE, "The Rationality of the Christian Faith" ..... Professor Paul Tillich, Union Theological Seminary

10. ORGAN RECITAL ..... Richard Bennett, '51

13. CHAPEL SERVICE ..... The Reverend William Thomas Heath, Immanuel Church-on-the-Hill, Alexandria, Virginia

20. CHAPEL SERVICE ..... Dean George W. Webber, Union Theological Seminary

21. LECTURE, "Money—Servant or Master?" ..... Mr. Thomas Waage

24. LECTURE, "The British Labor Party: Its Genesis and Prospects" ..... Mr. H. D. Beales, London School of Economics

27. CHAPEL SERVICE ..... Professor Guillermo Cotto-Thorner

28. VIOLIN RECITAL ..... Miss Sylvia Rosenberg

MARCH

6. FIFTH JOHN HERSCHEL MORRON LECTURE, "The Rationality of the Christian Faith" ..... Professor Charles Hartshorne, University of Chicago

9. LECTURE, "F. Scott Fitzgerald" ..... Professor Arthur Mizener, Cornell University

13. ORGAN RECITAL ..... Mr. John L. Baldwin, Jr.
CHAPEL SERVICE ..... The Reverend William H. Hudnut, Jr., Third Presbyterian Church, Rochester, New York

16. LECTURE, "Beyond the Northern Lights" ..... Admiral Donald B. McMillan

20. CHAPEL SERVICE ..... Professor Arthur Cushman McGiffert, Jr., Chicago Theological Seminary

21. LECTURE, "Labor Organizations" ..... Mr. Emil Schlesinger

APRIL

10. CHAPEL SERVICES ..... Professor William H. Hamilton, Colgate-Rochester Divinity School

11. LECTURE, "The Inventive Side of Mathematics" ..... Professor R. H. Bing, University of Wisconsin
SECOND LECTURE, "Topology for Everybody" ..... Professor Bing

12. THIRD LECTURE, "Topology in the Calculus" ..... Professor Bing

13. LECTURE, "Seeing Things" ..... Mr. John Mason Brown

17. CHAPEL SERVICE ..... Professor Clarence Hamilton

18. LECTURE, "Sterility and Fertility" ..... Dr. Edmond Farris, The Wistar Institute

20. LECTURE, "The Russian National Psychology—its Historic Antecedents" ..... Vera Micheles Dean

24. CHAPEL SERVICE ..... Dean Robert R. Wicks, Princeton, New Jersey

25. LECTURE, "Will Asia Split America and Britain" .... Mr. S. E. Gerard Priestley

MAY

1. JOHN HERSCHEL MORRON SERIES SYMPOSIUM ..... Professors Greene, Ducasse, Simon, Tillich and Hartshorne

8. CHAPEL SERVICE ..... The Reverend Robert J. McCracken, The Riverside Church, New York

15. CHAPEL SERVICE ..... The Reverend Henry G. Budd, First Methodist Church, Ithaca, New York

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Index

ACADEMIC PROGRAM, 47-98
Administration building, 20
Administrative personnel, 13
Admission requirements, 35
Advanced standing, 36
Alpha Psi Omega, 29
Alumni Associations, officers, 126
Alumni Associations scholarships, 42
Alumni Council, 125
Ancient Civilization courses, 69
Anthropology collection, 23
Anthropology courses, 61
Application fee, 38
Application form, opposite 36
Aptitude tests, 36, 37
Art courses, 63
Art Lending Library, 27
Art program, 27
Art studios, 27
Arts, undergraduate preparation, 50
Athletic awards, 28
Athletic facilities, 21
Athletics program, 28, 87
Attendance requirement, 57
Awards, scholastic, 32, 101, 117
Awards, special, 28, 30, 103, 119

BACHELOR'S DEGREE, 60
Band, 30
Basic courses, 53
Bills, payment of, 40
Biology collection, 23
Biology courses, 64
Biology prize, 106, 120
Biology prize scholarship, 104
Board, charge for, 39
Board of Trustees, 5
Buildings and grounds, 19
Business, career in, 51

CALENDAR, COLLEGE, 1955-1957, 4
Camera Club, 31
Campus, 19
Career planning, 49
Chapel, 21, 26
Chemistry courses, 66
Chemistry prizes, 107, 108
Choir, 30, 85
Classical fellowships, 103
Classical languages courses, 67
Classical prizes, 104-108, 119
Classical scholarships, 104, 105
Classrooms, 20
Clubs, student, 28-32
Commencement, dates of, 4
Commencement honors, 101, 115
Commons, Soper Hall of, 21
Concentration requirement, 56
Concerts, 26
Contemporary Institutions course, 70
Cooperative Engineering Program, 50, 59
Counseling, 49
Courses of instruction, 61
Credit requirement, 53
Credit, summer school, 60
Credit, transfer, 36, 60

DEBATE COURSES, 94
Debate, intercollegiate, 29
Debate prizes, 106, 120
Declamation prizes, 106, 120
Degrees, 60, 115
Degrees, requirements for, 53, 60
Delta Sigma Rho, 29
Dentistry, career in, 50
Department honors, 101, 117
Departments of instruction, 61
Dormitories, 19, 39
Dramatics, 29
Dramatics course, 29, 94

ECONOMICS COURSES, 70
Economics prize essay, 110, 121
Education courses, 72
Education prize, 105,119
Electives, freshman, 58
Electives, regulations, 59
Electives, upperclass, 59

Employment, student, 46
Endowment, 17, 113
Engineering, career in, 50
English Composition courses, 73
English Composition prizes, 108, 109
English Composition, transfer credit in, 36
English Literature courses, 74
English Literature prize scholarship, 104, 120
Enrollment, 35
Enrollment, average, 17
Essay prizes, 109, 119
Examinations, entrance, 36, 37
Examinations, honor system for, 25
Examinations, schedule, 1955-1957, 4
Expenses, 38
Express service, 19

FACULTY COMMITTEES, 12
Faculty, members of, 7
Faculty, ratio, 17
Fees, 38
Fellowships, 102
Finances, college, 1954, 113
Finances, student, 38
Financial aid, 41
Foreign study, 59
Foundation, hospital care, 24
Foundations, scholarship, 113
Fraternities, 32
French courses, 95
Freshman induction, 4, 37
Freshman program, 57
Freshman scholarships, 41

GENERAL INFORMATION, 15
Geology collection, 23
Geology courses, 76
Geology prize, 107, 121
German courses, 78
German prize, 109, 121
German prize scholarship, 104, 120
Government service, career in, 51
Government, student, 25
Grade requirement, 56
Graduate Record Examination, 50
Graduate study, at Hamilton, 60
Graduate study fellowships, 102
Graduate study, preparation for, 50
Graduation requirements, 53
Greek courses, 67
Greek prize scholarships, 104, 120
Greek prizes, 106-109, 120
Greek special scholarships, 45
Gymnasium, Alumni, 21

HAMILTON, ALEXANDER, 17
Hamilton-Oneida Academy, 17
History, ancient, courses in, 69
History courses, 79
History prizes, 106, 107, 110, 119
Honor societies, 28-30, 101, 117
Honor societies, class, 32
Honor system, 25
Honors, Commencement, 101, 115
Honors, departmental, 101, 117
Honors, Phi Beta Kappa, 101, 117
Hospital care, 24

INDEPENDENT STUDY, 81
Infirmary facilities, 21
Infirmary service, 23
Infirmary personnel, 14
Insurance, accident, 24, 39
Interviews, personal, 36

JOURNALISM, see *Publications*, 30
Journalism prize, 109, 120

KIRKLAND COTTAGE, 21
Kirkland, Samuel, 17, 21

LABORATORIES, 20
Language requirement, 54
Latin courses, 68
Latin prize scholarships, 104, 105, 120
Latin prizes, 106, 109, 120
Latin, special scholarships, 45
Law, career in, 51
Lectures, 26, 122
Library, 22
Library, honor system, 22
Library personnel, 14
Library, special collections, 22
Loans, 46
Location, geographical, 19

MAJORS, 56
Master's degree, 60
Mathematics courses, 81
Mathematics prize scholarships, 104, 120
Mathematics prizes, 108, 121
Medical service, 23
Medicine, career in, 50
Museum, Knox, 23
Music courses, 84
Music, instruction in, 85
Music prize, 107, 120

Music, student organizations, 30
Music trophies, 30

OFFICERS OF ADMINISTRATION, 13-14
Offices, faculty, 20
Oratorical prize, 106, 120
Organizations, student, 25, 28

PHI BETA KAPPA, 101, 117
Philosophy courses, 86
Philosophy prizes, 105, 119
Photographers, 30, 31
Physical Education program, 87
Physical Education requirement, 57, 87
Physical Science course, 87
Physician, college, 14
Physics courses, 88
Physics prize, 107, 121
Pi Delta Epsilon, 30
Placement Bureau, 52
Political Science courses, 89
Political Science prizes, 109, 110, 119
Postal service, 19
Pre-professional training, 49
Prize scholarships, 103, 119
Prizes, 105, 119
Psychology courses, 91
Public Occasions, 1954-1955, 122
Public Speaking courses, 93
Public Speaking prizes, 106, 119
Publications, student, 30

RAILWAY SERVICE, 19
Registration, 37
Registration deposit, 38
Registration schedule, 1954-56, 4
Religion, 17, 21, 26
Religion courses, 86
Religion prizes, 106, 110, 120
Religious services, 26, 122
Residence requirement, 57
Resources, college, 113
Romance Languages courses, 95
Romance Languages prize, 109, 121
Rooms, dormitory, 19, 39
Root Fellowship, 102

SCHOLARSHIP FOUNDATIONS, 113
Scholarship honors, *See Honors*, 101
Scholarships, 41, 119
Scholarships, requirements for, 41
Science fellowship, 102
Sciences, undergraduate preparation, 50
Scientific collections, 23
Semester hours, *See Credit*, 53
Singing trophies, 30
Society of Alumni, 125
Sophomore program, 59
Spanish courses, 97
Special services staff, 13
Sports, *See Athletics*, 28
Student counseling, 49
Student employment, 46
Student government, 25
Student organizations, 25, 31
Student publications, 30
Study abroad, 59
Summer school credits, 60

TEACHING, CAREER IN, 51
Tests, aptitude, 36, 37
Transfer credit, 36, 60
Transportation, 19
Trustees, 5, 17
Trustee committees, 6
Tuition, 39

UNDERGRADUATE LIFE, 25
Upperclass program, 59

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The College colors are the colors of the Continental Army: buff and blue.